TASCAM®

2025.1

System Design Guide
for Audio Installation

Integrator Concepts, Systems, and Solutions

Conference Rooms / Classrooms / Auditoriums

Commercial Facilities (Hotels and Banquet Halls / Retail)

Live Entertainment

Broadcasting Stations and Studios

Live Streaming

Main Products Info Index

System Design Guide for Installations

Introduction

Due to the evolution of technology, AV installations with new levels of sophistication and flexibility have emerged.

The evolution of video, lighting and network technologies has created new systems and services with maximum versatility, a productive user experience, and premium audio quality. Because of this, proper technical knowledge and a solution-based approach is becoming more essential for both system engineers and sales consultants to provide customers a creative and successful solution with the best quality. TASCAM produced this design guide to meet such needs, and to visually present project proposals more clearly by illustrating system examples based on application or project type.

TEAC CORPORATION

Table of Contents

Conference Rooms / Classrooms / Auditoriums

Commercial Facilities (Hotels and Banquet Halls / Retail)

Live Entertainment

Broadcasting Stations and Studios

Live Streaming

Main Products Info Index

1-1 AV System for Small-Mid Scale Conference Rooms

| Space-Saving | Adjustable Sound via DSP | Easy Smartphone Control |

This system uses the MX-8A to manage microphones and signal flow used in a conference room. Sound and microphone levels in the room can be efficiently adjusted through the TASCAM MX CONNECT control software, or the TASCAM EZ CONNECT control app which allows easy volume control and source selection for the entire room.

The MX-8A includes a 2-in/2-out USB audio interface, allowing recording to or playback from connected PCs.

The SS-CDR250N offers automatic uploading of the recorded data to FTP servers and is also suitable for archiving each conference audio minutes or as a centralized data management console.

System Diagram

TM-95GN
Gooseneck mic

TM-90BM
Boundary mic

MA-BT240
Mixing amplifier

Ceiling speaker

MIC IN   ANALOG OUT

DAW

LAN (Cat5e)

MX-8A
Matrix mixer with built-in DSP

USB

RC-W100-R120
Programmable controller

ANALOG IN/OUT

TASCAM EZ CONNECT
MX-8A control software

TASCAM MX CONNECT
MX-8A control software

SS-CDR250N
Solid-state / CD stereo audio recorder

BD-MP1MKII
Blu-ray player

HDMI

Monitor display

LAN

LAN (Cat6)

FTP server   Wi-Fi router

Automatic upload of the audio minutes from the SS-CDR250N to an FTP server

TASCAM Equipment Installed

Product Outline	Model Name	Remarks
8 in / 8 out matrix mixer with built-in DSP	**MX-8A**	
Wall-mount programmable controller	**RC-W100**	
Control software for system integrators / managers	**TASCAM MX CONNECT**	
Control software for end-users	**TASCAM EZ CONNECT**	
Solid state / CD stereo audio recorder / player	**SS-CDR250N**	
Blu-ray™ player	**BD-MP1MKII**	
High and low impedance mixing amplifier with microphone input and Bluetooth®	**MA-BT240**	
Gooseneck condenser microphone	**TM-95GN**	
Boundary condernser microphone	**TM-90BM**	

1-2 Sound System for Conference Rooms

| Multi-person Mic Control | Individual Speaker Recording | DAW Compatibility |

For larger conference systems where loudspeakers are installed and each attendee has an individual microphone, a mixer that supports multiple mic input connections like TASCAM Sonicviewl 24 is required.

The console can also be used with the IF-MTR32 option card for up to 32-track multitrack recording. The TASCAM Sonicview 24 can also be used for recording conferences.

Used as a multi-track recorder, each audio channel is recorded on a separate track, allowing easy recording down of each attendee's voice by recording their respective input channel.

System Diagram
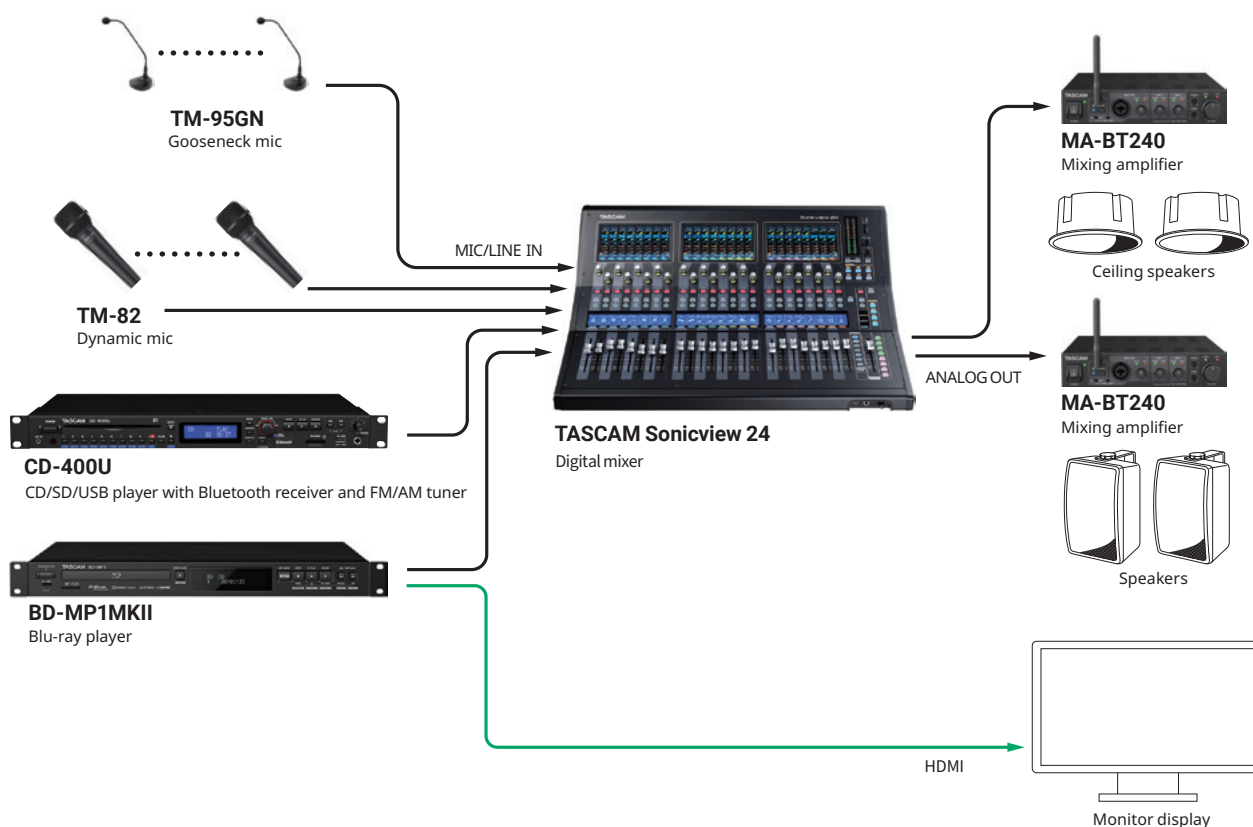
TM-95GN
Gooseneck mic

TM-82
Dynamic mic

MIC/LINE IN

CD-400U
CD/SD/USB player with Bluetooth receiver and FM/AM tuner

BD-MP1MKII
Blu-ray player

TASCAM Sonicview 24
Digital mixer

ANALOG OUT

MA-BT240
Mixing amplifier

Ceiling speakers

MA-BT240
Mixing amplifier

Speakers

HDMI

Monitor display

TASCAM Equipment Installed

Product Outline	Model Name	Remarks
Digital mixer	**TASCAM Sonicview 24**	
CD/SD/USB player with Bluetooth® receiver and FM/AM tuner	**CD-400U**	
Blu-ray™ player	**BD-MP1MKII**	
High and low impedance mixing amplifier with microphone input and Bluetooth®	**MA-BT240**	
Gooseneck condenser microphone	**TM-95GN**	
Dynamic microphone	**TM-82**	
32ch multi-track recording card	**IF-MTR32**	

1-3 Multi-Channel Recording System for Parliament Conferences

| **Less Wiring and Installation Procedures** | **Long-Distance Audio Transmission** | **Individual Recording** | :: Dante |

This conference recording system is optimal for large-scale conferences in which each participant requires individual microphones. The MM-4D/IN Dante converter allows the connection of up to 4 microphones per unit; after audio is converted to Dante signals, they can be transmitted long distances using standard cat 5 cables, requiring less wiring and installation procedures.

The built-in DSP functions in the MM-4D/IN, such as high pass filter and limiter, will enable fine adjustment for a more articulate voice audio quality.

In addition, routing signals via Dante will give users the option to do multi-channel recordings.

System Diagram
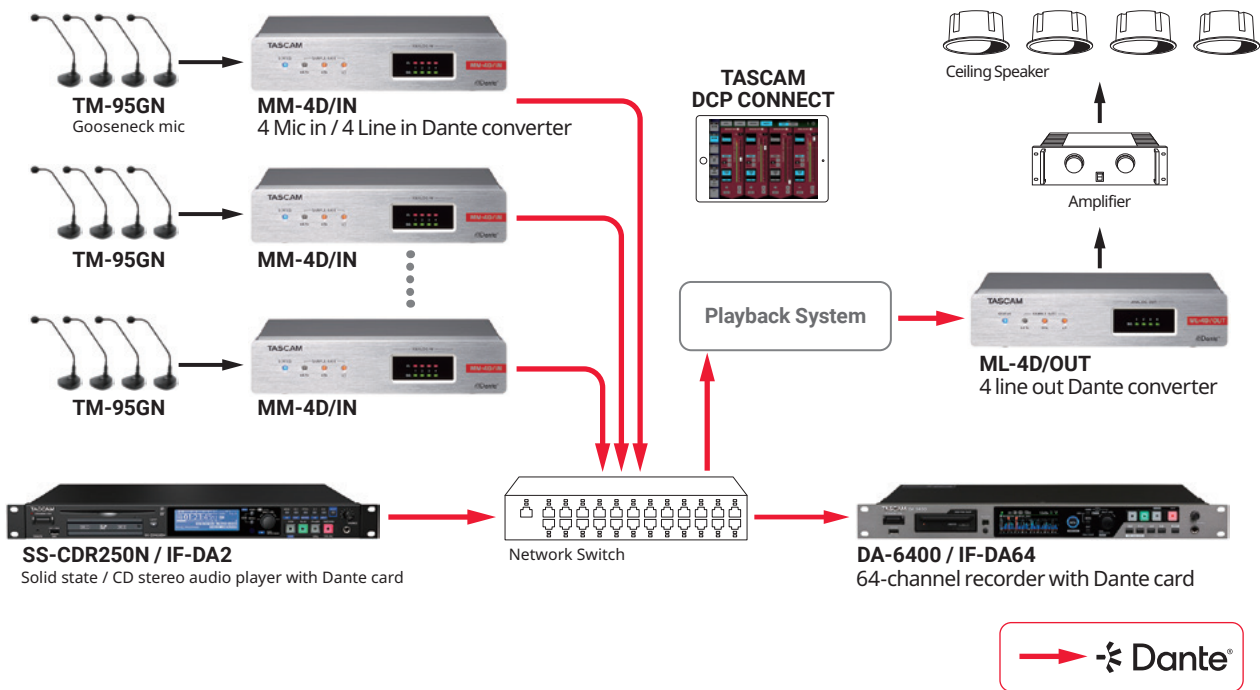
TM-95GN
Gooseneck mic

MM-4D/IN
4 Mic in / 4 Line in Dante converter

TM-95GN

MM-4D/IN

TM-95GN

MM-4D/IN

TASCAM DCP CONNECT

Ceiling Speaker

Amplifier

Playback System

ML-4D/OUT
4 line out Dante converter

SS-CDR250N / IF-DA2
Solid state / CD stereo audio player with Dante card

Network Switch

DA-6400 / IF-DA64
64-channel recorder with Dante card

:: Dante

TASCAM Equipment Installed

Product Outline	Model Name	Remarks
4 mic in / 4 line in Dante converter with built-in DSP mixer	**MM-4D/IN-X**	
4 line out Dante converter with built-in DSP mixer	**ML-4D/OUT-X**	
DCP control software for system integrators / managers	**TASCAM DCP CONNECT**	
Control software for end-users	**TASCAM EZ CONNECT**	
DCP series dedicated AC adapter	**PS-P1220E**	
DCP series dedicated rackmount shelf	**AK-RS1**	
Solid state / CD stereo audio recorder / player	**SS-CDR250N**	
SS-CDR250N dedicated Dante interface card	**IF-DA2**	
64-channel digital multitrack recorder	**DA-6400**	
Dante Interface Card for DA-6400	**IF-DA64**	
Gooseneck condenser microphone	**TM-95GN**	

1-4 Audio-Visual Room System

Blu-ray™	Multimedia Playback	Cassette Tape Playback

TASCAM's lineup of playback devices will flexibly support the playback of a variety of media sources brought to the room as teaching materials. The BD-MP1MKII serves for visual playback; BGM playback from CD, SD, USB, and Bluetooth can be easily done with the CD-400U; add cassette tape playback with the 202MKVII. In addition, the SS-CDR250N is suitable for archiving and managing data as it will record to CD / SD cards / USB flash drives and automatically upload the recorded data to an FTP server of choice.

System Diagram
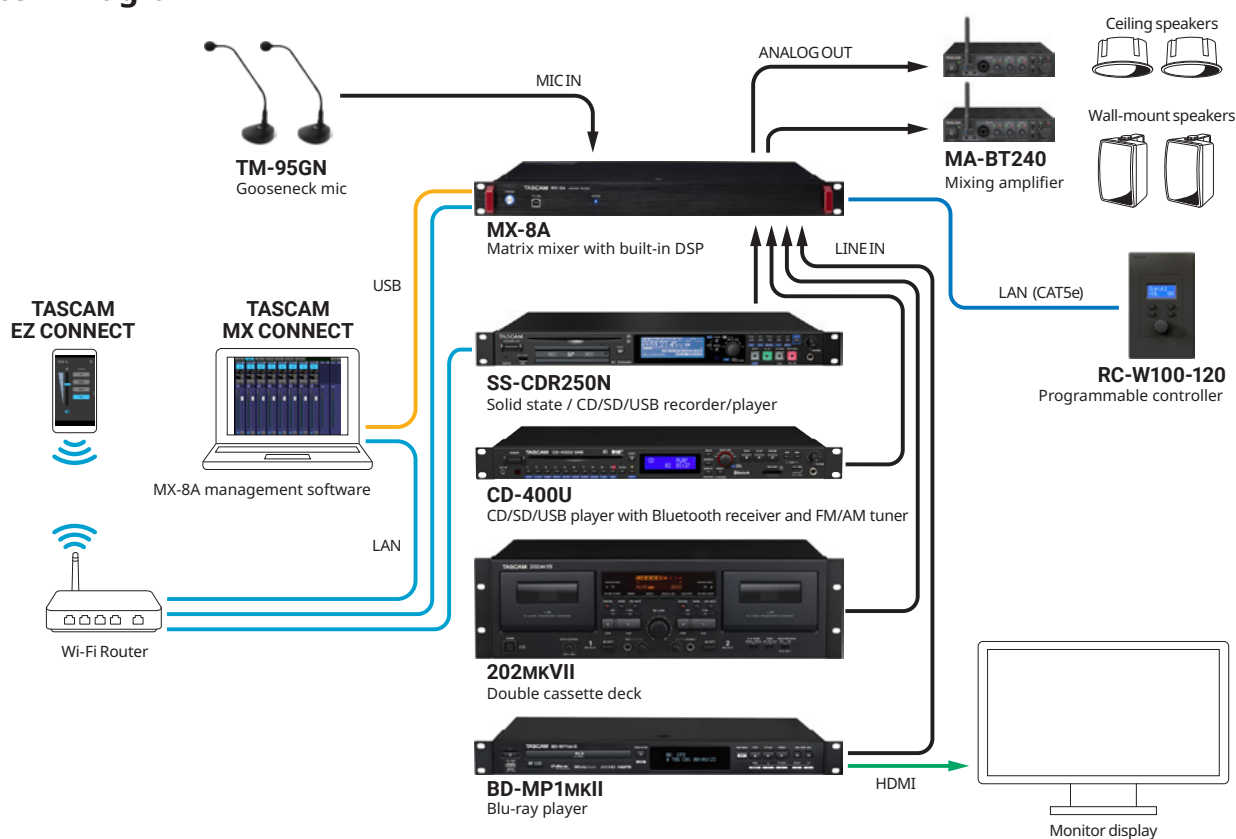
TASCAM Equipment Installed

Product Outline	Model Name	Remarks
8 in / 8 out matrix mixer with built-in DSP	**MX-8A**	
Control software for system integrators / managers	**TASCAM MX CONNECT**	
Control software for end-users	**TASCAM EZ CONNECT**	
Wall-mount programmable controller	**RC-W100**	
Solid state / CD/SD/USB recorder/player	**SS-CDR250N**	
CD/SD/USB player with Bluetooth® receiver and FM/AM tuner	**CD-400U**	
Double cassette deck	**202MK VII**	
Blu-ray™ player	**BD-MP1MKII**	
High and low impedance mixing amplifier with microphone input and Bluetooth®	**MA-BT240**	
Gooseneck condenser microphone	**TM-95GN**	

1-5 Panel Discussions and Talk Shows Using the Automatic Mixer Function

Reduced Mixing Operations

Improved Clarity and Sound Quality

Feedback Suppression

TASCAM Sonicview's Automatic Mixer function is useful for panel discussions and talk shows where multiple microphones are used simultaneously.

By increasing the volume of the microphone of the person speaking and decreasing the volume of those not speaking, feedback is suppressed and comb filtering eliminated, thus improving the sound quality of the speaker and making them easier to hear.

The 16-channel microphone input can be divided into as many as four groups (A, B, C, and D), and the PRIORITY function can be set for each channel or group. Each input channel has a WEIGHT parameter that allows easy configuration of the behavior to match the characteristics of the person speaking.

In addition, the PRIORITY function can be used, for example, to give priority to the chairman or moderator and MUTE the other channels. This is a very useful feature.

System Diagram
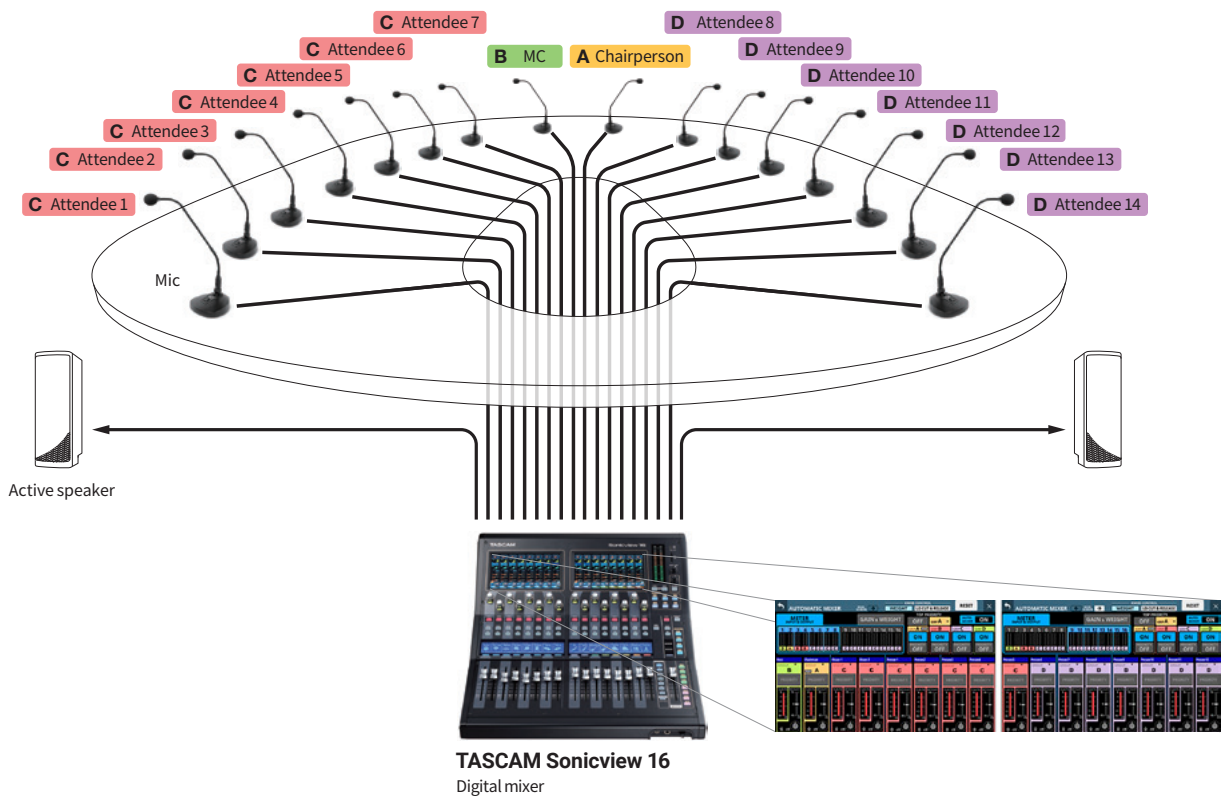
TASCAM Sonicview 16
Digital mixer

TASCAM Equipment Installed

Product Outline	Model Name	Remarks
Digital mixer	**TASCAM Sonicview 16**	
Gooseneck condenser microphone	**TM-95GN**	

1-6 Sound System for Auditoriums / Gymnasiums

Flexible Connectivity	Speech and Recital Recording	SD Card Rec/Play Simultaneous Use

The TASCAM Sonicview 24 is a multifunctional digital mixer that is ideal for gymnasium sound systems that need to accommodate a wide variety of events such as assemblies, lectures, and concerts.

The TASCAM Sonicview 24 provides 24 channels of mic and line inputs, making it flexible for situations where many inputs are required, such as concerts.

The 2-channel record/playback function using an SD card makes it easy to retrieve recorded audio and play it back.
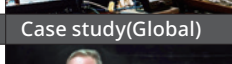
System Diagram
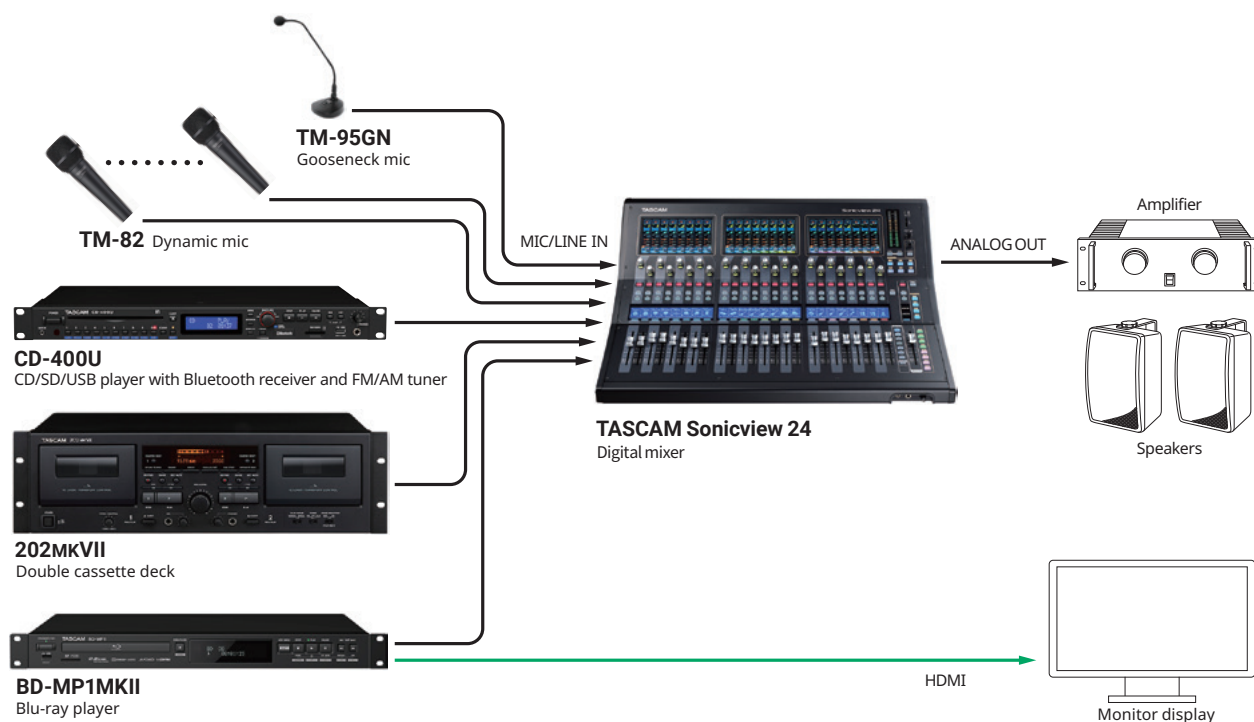
TM-95GN Gooseneck mic

TM-82 Dynamic mic

CD-400U CD/SD/USB player with Bluetooth receiver and FM/AM tuner

202MKVII Double cassette deck

BD-MP1MKII Blu-ray player

MIC/LINE IN

TASCAM Sonicview 24 Digital mixer

ANALOG OUT

Amplifier

Speakers

HDMI

Monitor display

TASCAM Equipment Installed

Product Outline	Model Name	Remarks
Digital mixer	**TASCAM Sonicview 24**	
CD/SD/USB player with bluetooth® receiver and FM/AM tuner	**CD-400U**	
Double cassette deck	**202MKVII**	
Blu-ray™ player	**BD-MP1MKII**	
Gooseneck condenser microphone	**TM-95GN**	
Dynamic microphone	**TM-82**	

Case Study

Click on the case study images to view detailed pages.

No.	Case study(Japan)		Model Name	
1		Live Streaming of School Events and Commemorative Ceremonies	**Model 16** **Portacapture X8** **TM-90BM** **VS-R265**	School Events
No.	Case study(Global)		Model Name	
2		The TASCAM Model 12 Keeps the Creativity Flowing for Colton Weatherston	**Model 12**	Colton Weatherston
3		TASCAM Brings Clarity to The First Judicial District of Pennsylvania.	**TM-95GN**	Penn Courthouse

MEMO

2-1 Sound System for Banquet Halls, Lectures and Conferences

Intuitive Controls **Speech & Sideshow Recording** **Space-Saving**

The TASCAM Sonicview 16 is suitable for relatively small banquet hall sound systems. The TASCAM Sonicview 16 is a multifunctional digital mixer with intuitive, analog-like operation.

The TASCAM Sonicview 16 has 16 channels of XLR balanced inputs and 16 XLR balanced outputs. So, even with only the analog inputs and outputs on the main unit, it can handle a small to medium-sized system.

In addition, if you attach the optional IF-MTR32 to the TASCAM Sonicview 16, it can be used as a multitrack recorder.

It can also be used to record speeches, karaoke, and band performances.
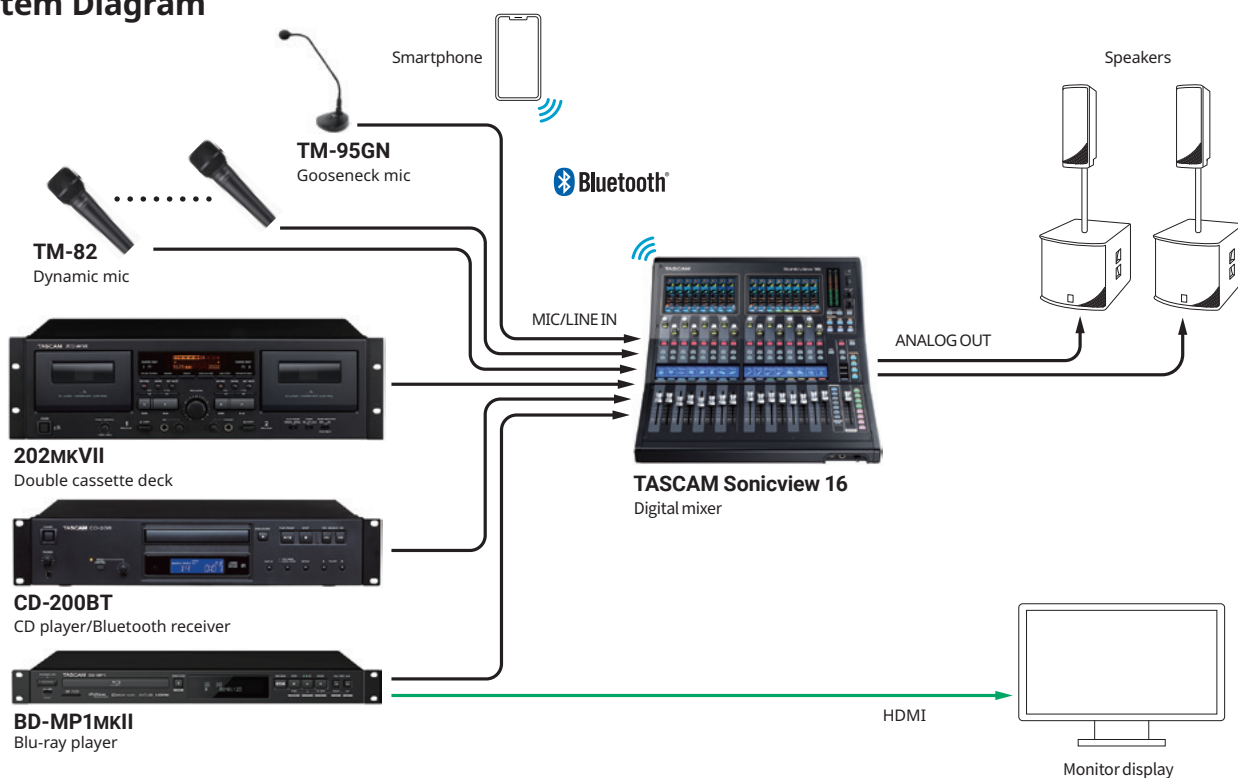
System Diagram

TASCAM Equipment Installed

Product Outline	Model Name	Remarks
Digital mixer	**TASCAM Sonicview 16**	
Double cassette deck	**202 MKVII**	
CD player	**CD-200BT**	
Blu-ray™ player	**BD-MP1MKII**	
Dynamic microphone	**TM-82**	
Gooseneck condenser microphone	**TM-95GN**	
32ch multi-track recording card	**IF-MTR32**	

2-2-1 Sound System for Banquet Halls and Lectures Using Dante (Input)

Space-Saving

Intuitive Control

Long-Distance Transmission

⋅⁎ Dante®

The MM-4D/IN Dante converter is the most compact and suitable unit for small-scale systems using Dante input. The MM-4D/IN can bring together four mic/line inputs and four channels of Dante input so system management of different floors or separate buildings is possible as the mixed audio is sent via Dante.

System Diagram

—→ ⋅⁎ Dante®

① ② ③ ④

TM-95GN
Gooseneck mic

MIC/LINE IN

MM-4D/IN
Dante converter

SS-CDR250N Solid state / CD player Ⓐ
IF-DA2 Dante card

SS-CDR250N Solid state / CD player Ⓑ
IF-DA2 Dante card

Audio input with Dante

Mixed audio sent via Dante

TASCAM DCP Connect
Control software

Network switch

Dante out

ML-4D/OUT
Dante converter

Analog out (Mic+Dante)

Amplifier — Speakers **ZONE 1**
Amplifier — Speakers **ZONE 2**
Amplifier — Speakers **ZONE 3**
Amplifier — Speakers **ZONE 4**

TASCAM Equipment Installed

Product Outline	Model Name	Remarks
4ch Mic/Line input Dante converter with built-in DSP mixer	**MM-4D/IN**	
AC adapter	**PS-P1220E**	Not required if using a PoE switching hub
Rackmount shelf	**AK-RS1**	
Solid state / CD stereo audio recorder / player	**SS-CDR250N**	
Dante interface card	**IF-DA2**	
Gooseneck condenser microphone	**TM-95GN**	
Control software	**TASCAM DCP Connect**	

2-2-2 Sound System for Banquet Halls and Lectures Using Dante (Output)

Space-Saving

Intuitive Control

Individual Area Adjustment

‑ Dante®

The Dante converter MM-4D/OUT is suitable for constructing a sound system for banquet halls where applications and area classifications change daily. The ML-4D/OUT collects the audio sources via Dante and sends it out to four analog channels at separate volumes. Each output is also equipped with a DSP including a 10-band parametric EQ and limiter.

System Diagram

TM-95GN
Gooseneck mic

SS-CDR250N Solid State / CD player
IF-DA2 Dante card

‑ Dante®

Dante input

MM-4D/IN
Dante converter

TASCAM DCP Connect
Control software

Dante output

Network switch

Sound collection via Dante

Dante in

ML-4D/OUT
Dante converter

Analog output (Mic + Dante)

Amplifier — ZONE 1 — Speakers

Amplifier — ZONE 2 — Speakers

Amplifier — ZONE 3 — Speakers

Amplifier — ZONE 4 — Speakers
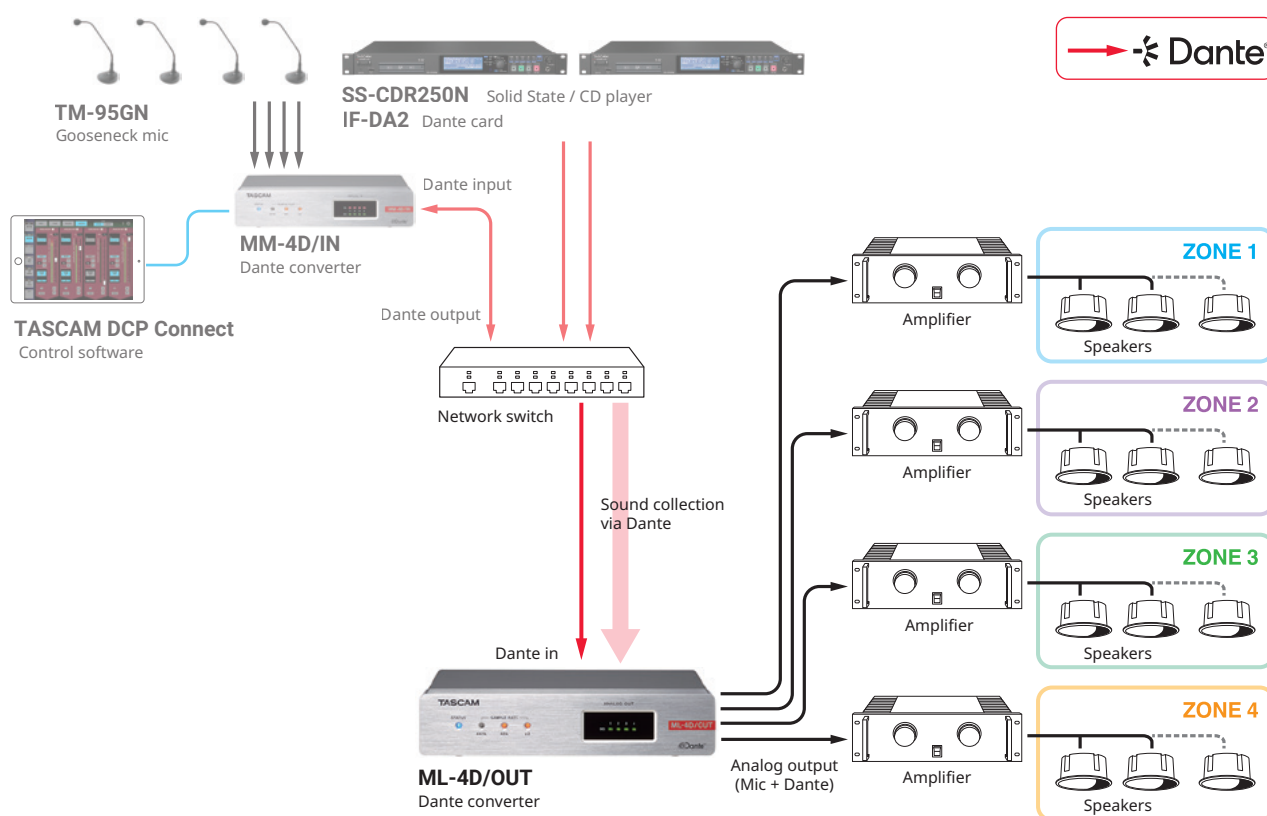
TASCAM Equipment Installed

Product Outline	Model Name	Remarks
4 line out Dante converter with built-in DSP mixer	**ML-4D/OUT-X**	
AC adapter	**PS-P1220E**	Not required if using a PoE switching hub
Rackmount shelf	**AK-RS1**	
Control software	**TASCAM DCP CONNECT**	

2-3 System for Multi-Purpose Banquet Halls

| Space-Saving | Sound Adjustment Per Area | Scene Preset |

Multi-use banquet halls are commonly used for wedding receptions, banquets, conferences and more. Depending on the usage or the way these halls are divided, there is a variety of sound system requirements.

TASCAM Sonicview 16 has 18 "USER KEYS" that can be assigned to various functions such as snapshot recall and direct control. The "Snapshot" function allows you to save the settings for each use and room assignment, and then use them in a single action to respond to various cases according to the environment in which you are using the room.

System Diagram
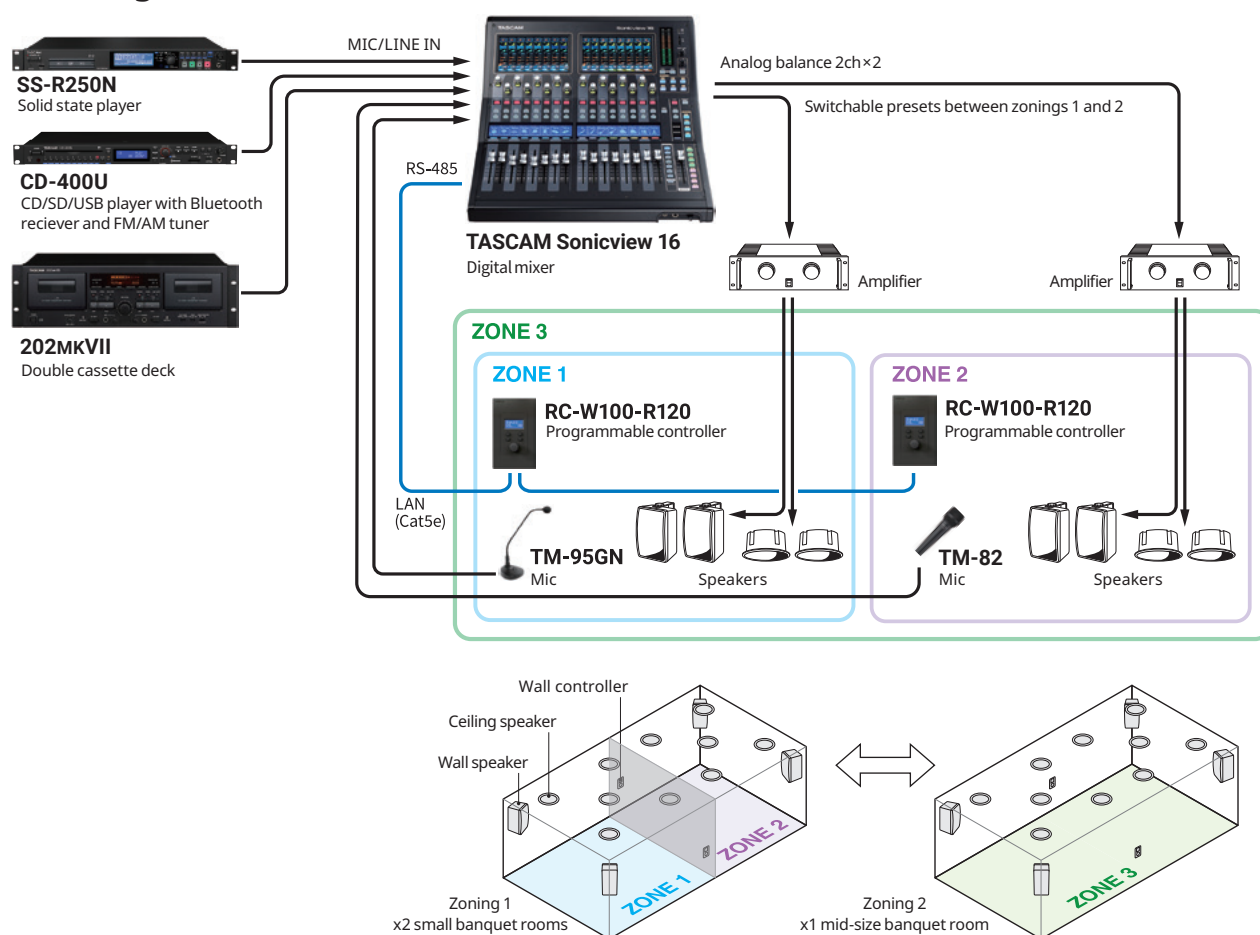
TASCAM Equipment Installed

Product Outline	Model Name	Remarks
Digital mixer	**TASCAM Sonicview 16**	
Wall-mount programmable controller	**RC-W100**	
Solid state / CD stereo audio recorder	**SS-R250N**	
CD/SD/USB player with Bluetooth® receiver and FM/AM tuner	**CD-400U**	
Double cassette deck	**202MKVII**	
Gooseneck condenser microphone	**TM-95GN**	
Dynamic microphone	**TM-82**	

2-4 Sound System for Retail Stores

| Individual Zone Playback | Bluetooth Playback | Clear Audio Announcements |

Background music sources can be assigned individually to each of the 3 independent zone outputs of the MZ-123BT, allowing different background music to play in separate areas of a retail store.

Music sources can be played by connecting other TASCAM playback equipment or via smartphones / tablets using the integrated Bluetooth receiver in the MZ-123BT.

The MZ-123BT also provides 2 microphone inputs and a convenient talkover function, which will automatically detect mic signal input and attenuate background music levels, enabling clear audio in-store announcements.

System Diagram

TM-95GN
Gooseneck mic

Music Player App

MIC/LINE IN

Bluetooth®

CD-200BT
CD player / bluetooth receiver

CD-400U
CD/SD/USB player with bluetooth receiver and FM/AM tuner

MZ-123BT
3 zone audio mixer with Bluetooth receiver

MA-BT240
Mixing amplifier

ZONE 1
Speakers

MA-BT240
Mixing amplifier

ZONE 2
Speakers

MA-BT240
Mixing amplifier

ZONE 3
Speakers
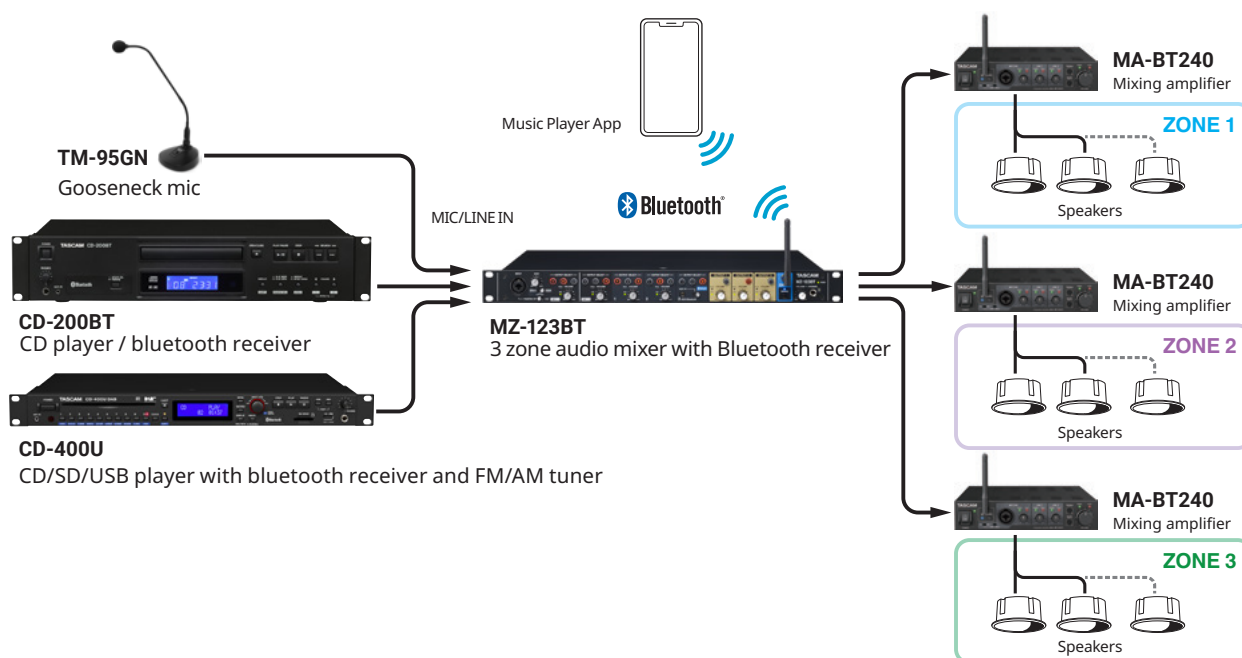
TASCAM Equipment Installed

Product Outline	Model Name	Remarks
3 zone audio mixer with Bluetooth® receiver	**MZ-123BT**	
CD player	**CD-200BT**	
CD/SD/USB player with Bluetooth® receiver and FM/AM tuner	**CD-400U**	
High and low impedance mixing amplifier with microphone input and Bluetooth®	**MA-BT240**	
Gooseneck condenser microphone	**TM-95GN**	

2-5 All-in-One Amplification System for Small-Scale Stores

Easy Mixing

High Output Low-High Impedance

Bluetooth

The MA-BT240 is suitable for small-scale stores' amplification systems. It supports high output low/high impedance connections, and with its compact 1U half-rack size, it can be installed on top of any type of table, shelf, or gear rack. The MA-BT240 has a built-in Bluetooth receiver that enables BGM playback from smartphones and tablets; a microphone input with a ducking function that automatically attenuates BGM during announcements; and many more convenient functions all of which can be easily operated from the front panel. No complicated PC settings are required as the MA-BT240's simple operation makes it possible for those who are not familiar with the equipment to create their desired sound space after setup. In addition, the simple mixing function eliminates the need for a separate console while contributing to a low-budget system.

System Diagram

BGM playback from smartphone

Bluetooth® pairing

TM-82
Dynamic mic

CD-400U
CD/SD/USB player with Bluetooth® receiver and FM/AM tuner

Cable Broadcasting

MA-BT240
Mixing amplifier

External volume adjustment controller

or

High impedance mode
Max 240W×1ch (100V/70V)

Ceiling speakers

Low impedance mode
Max 120W×2ch(4Ω/8Ω)

Wall mount speakers
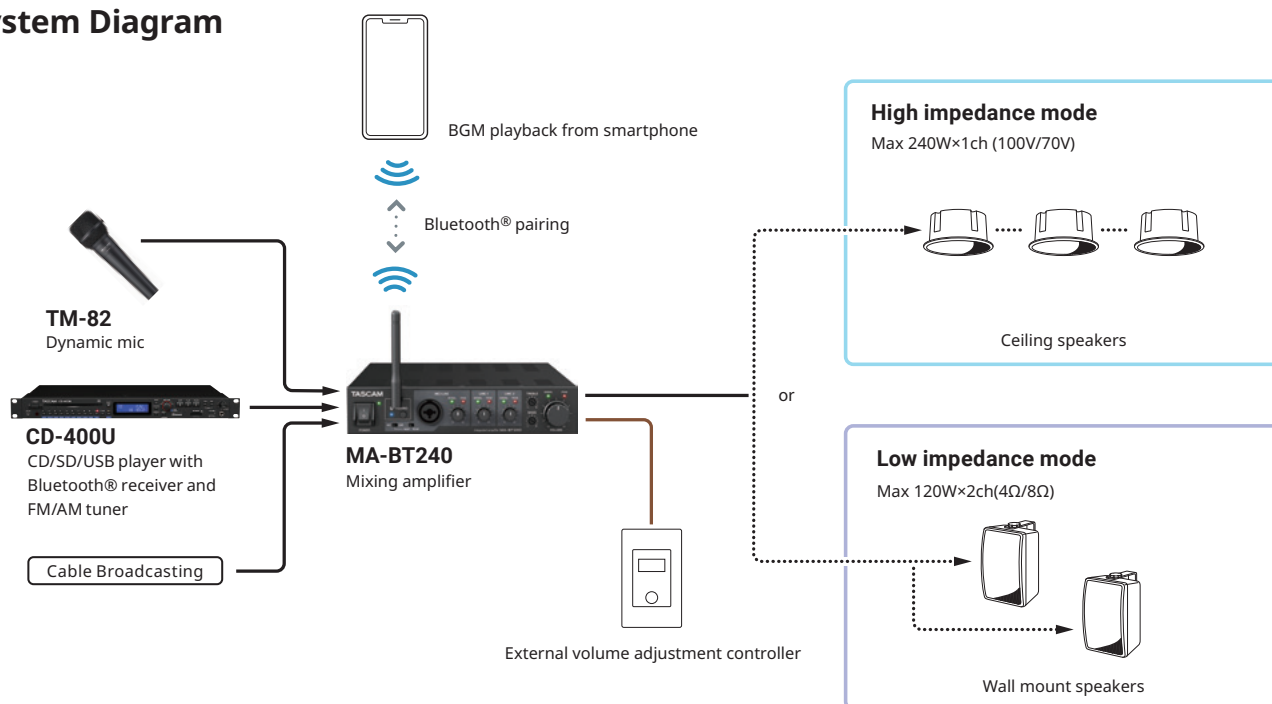
TASCAM Equipment Installed

Product Outline	Model Name	Remarks
High and low impedance mixing amplifier with microphone input and Bluetooth®	**MA-BT240**	
CD/SD/USB player with Bluetooth® receiver and FM/AM tuner	**CD-400U**	
Dynamic microphone	**TM-82**	

2-6 PA System for Waiting Rooms

Clear Announcements

Individual Zone Playback

Fader Operation

MZ-223's talkover function makes it a suitable choice for waiting rooms in facilities where customer paging is required. The talkover function will automatically detect mic signal input and attenuate background music levels, enabling easy-to-hear announcements and paging.

Also, the 3 independent outputs in MZ-223 allows for background music and announcements to be separately played in areas other than the waiting room.

System Diagram

TM-82
Dynamic mic

MIC/LINE IN

ANALOG OUT

MZ-223BT
3 zone mixer

CD-400U
CD/SD/USB player with bluetooth receiver and FM/AM tuner

MA-BT240
Mixing amplifier

ZONE 1

Speakers

MA-BT240
Mixing amplifier

ZONE 2

Speakers

MA-BT240
Mixing amplifier

ZONE 3

Speakers
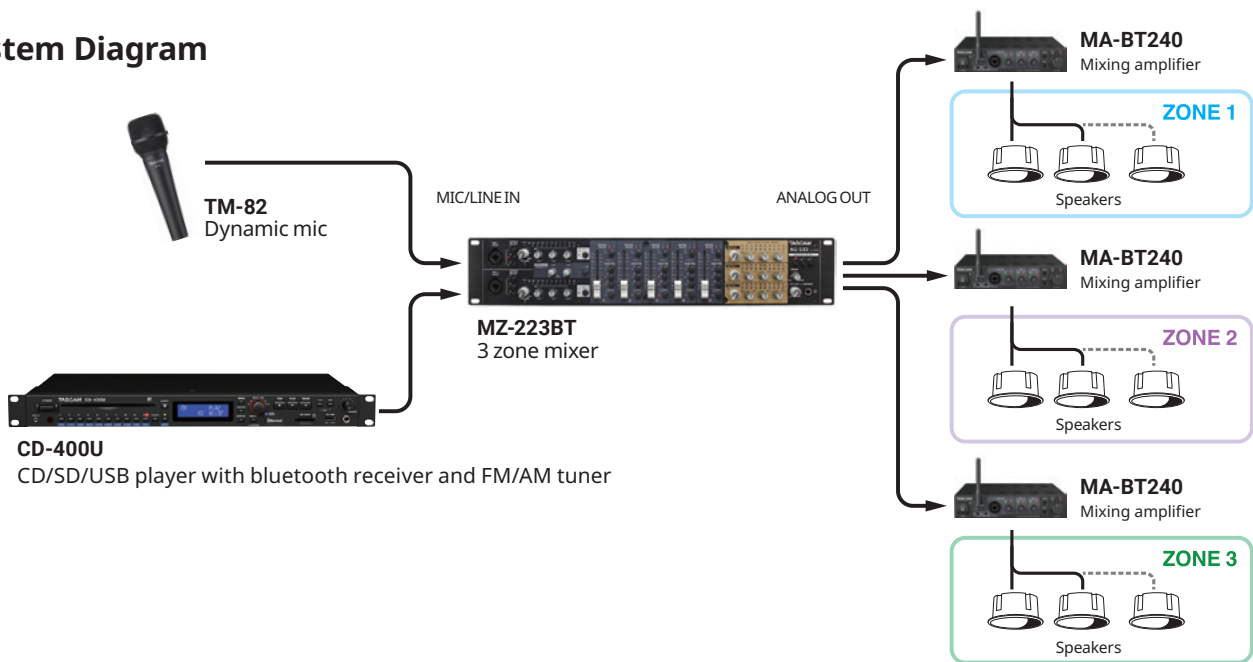
TASCAM Equipment Installed

Product Outline	Model Name	Remarks
3 zone mixer	**MZ-223**	
CD/SD/USB player with Bluetooth® receiver and FM/AM tune	**CD-400U**	
High and low impedance mixing amplifier with microphone input and Bluetooth®	**MA-BT240**	
Dynamic microphone	**TM-82**	

BGM / Announcement Playback System for Area Division in Shopping Malls, etc.

Individual Zone Playback	System Management	Easy Expansion	‑‑‑ Dante®

Using the MM-4D/IN and the ML-4D/OUT will enable each floor or area to have different background music and announcement playback, as well as optimal sound adjustment thanks to the ducking and ANC* functions installed in both units.

Meanwhile, Dante conversion and connectivity will allow for long-distance signal transmission, easy input/output expansion, and the reduction of wiring / installation procedures.

*ANC (ambient noise compensator) function: will automatically adjust the main volume according to the surrounding noise levels for clearer background music and announcement playback.

System Diagram
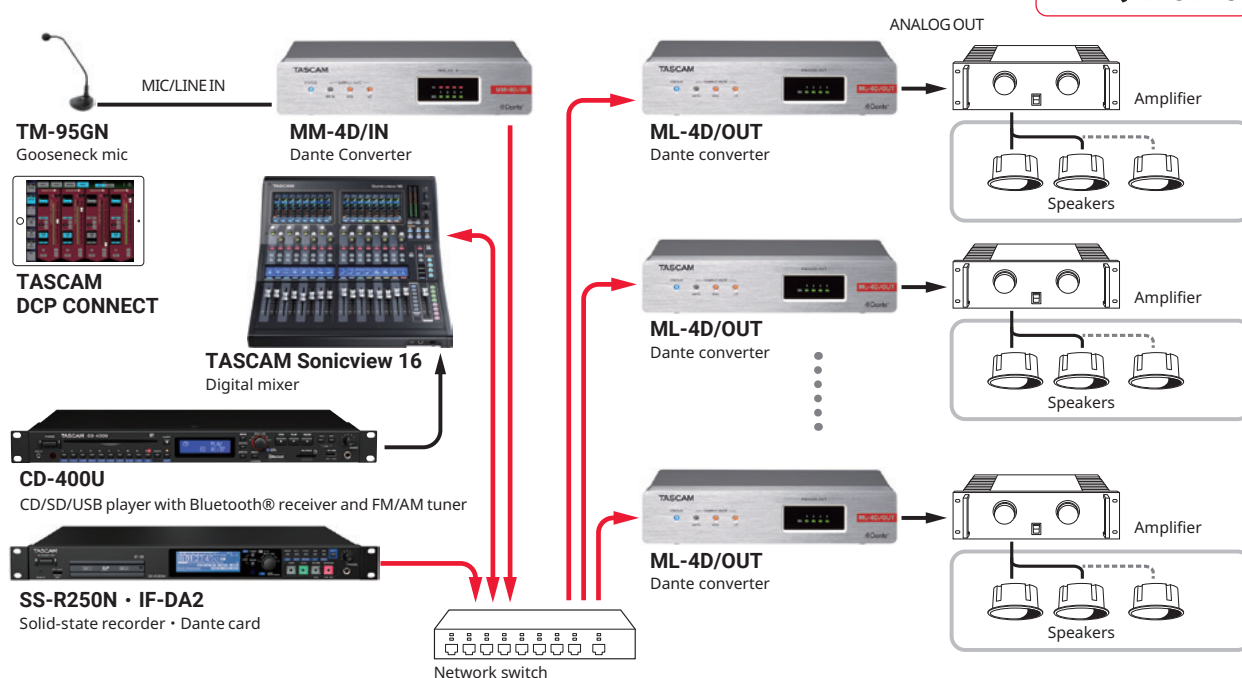
TASCAM Equipment Installed

Product Outline	Model Name	Remarks
4 mic in / 4 line in Dante converter with built-in DSP mixer	**MM-4D/IN**	
4 line out Dante converter with built-in DSP mixer	**ML-4D/OUT**	
DCP control software for system integrators / managers	**TASCAM DCP CONNECT**	
Control software for end-users	**TASCAM EZ CONNECT**	
DCP series dedicated AC adapter	**PS-P1220E**	Not required if using a PoE switching hub
DCP series dedicated rackmount shelf	**AK-RS1**	
Digital mixer	**TASCAM Sonicview 16**	
CD/SD/USB player with Bluetooth® receiver and FM/AM tune	**CD-400U**	
Solid state / CD stereo audio recorder / player	**SS-R250N**	
SS-R250N dedicated Dante interface card	**IF-DA2**	
Gooseneck condenser microphone	**TM-95GN**	

2-8 BGM System for Restaurants

Individual Zone Playback	DSP Sound Adjustment	Clear Announcements

The MX-8A enables the construction of a variety of sound systems depending on the application or environment. In this case, using the MX-8A will allow users to assign different background music to the main floor and lounging area, or use the same source but at different volume levels depending on the area.

The ANC* function installed in MX-8A will automatically turn up the microphone volume according to the surrounding noises, providing clear announcements even in noisy environments.

*ANC (ambient noise compensator) function: will automatically adjust the main volume according to the surrounding noise levels for clearer background music or announcement playback.

System Diagram

Backroom

In-store announcement system
MX-8A: ANC function
Automatically adjusts the sound
of audio output to the ambient noise

TM-82
Dynamic mic

TM-95GN
Gooseneck mic

Mic/Line 8ch

SS-CDR250N
CD/SD/USB player

MX-8A
Matrix mixer

Line out 8ch

MA-BT240
Mixing amplifier

RS-485

CD-400U
CD/SD/USB/BT player/AM/FM tuner

202MKVII
Double cassette deck

TASCAM MX CONNECT
MX-8A control software

● Supports control via smartphone or tablet
● USB audio interface function for playback from PCs

USB

LAN (Cat5e)

Router

ZONE 1
Speakers
TASCAM EZ CONNECT
MX-8A control software

ZONE 2
Speakers
RC-W100
Remote control unit

ZONE 3
Speakers
RC-W100
Remote control unit

ZONE 4
Speakers
TASCAM EZ CONNECT
MX-8A control software

Wireless LAN
TASCAM EZ CONNECT wireless connection

TASCAM Equipment Installed

Product Outline	Model Name	Remarks
8 in / 8 out matrix mixer with built-in DSP	MX-8A	
Wall-mount programmable controller	RC-W100	
Control software for system integrators / manager	TASCAM MX CONNECT	
Control software for end-users	TASCAM EZ CONNECT	
Solid state / CD stereo audio recorder / player	SS-CDR250N	
CD/SD/USB player with Bluetooth® receiver and FM/AM tuner	CD-400U	
Double cassette deck	202MKVII	
High and low impedance mixing amplifier with microphone input and Bluetooth®	MA-BT240	
Gooseneck condenser microphone	TM-95GN	
Dynamic microphone	TM-82	

2-9 BGM System for Restaurants

Easy Operation **Space-Saving** **Individual Area Playback**

The MX-8A can be used in a BGM system for small-scale restaurants to play different sound sources in each area, such as the lobby, individual rooms, and the main floor, or to play the same BGM but at a different volume.

System Diagram
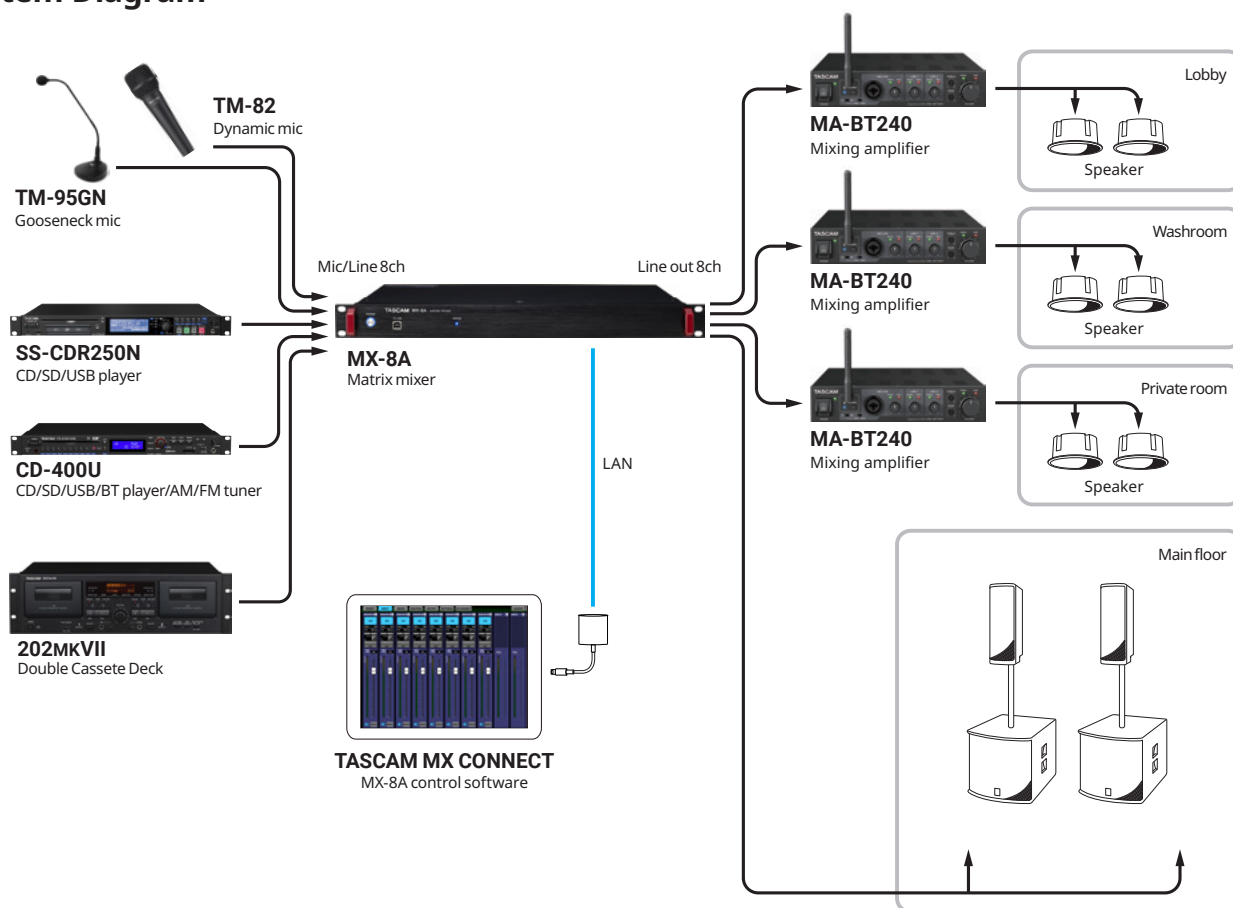
TASCAM Equipment Installed

Product Outline	Model Name	Remarks
8 in / 8 out matrix mixer with built-in DSP	**MX-8A**	
Control software for system integrators / managers	**TASCAM MX CONNECT**	
Solid state / CD stereo audio recorder / player	**SS-CDR250N**	
CD/SD/USB player with Bluetooth® receiver and FM/AM tuner	**CD-400U**	
Double cassete deck	**202mkVII**	
High and low impedance mixing amplifier with microphone input and Bluetooth®	**MA-BT240**	
Gooseneck condenser microphone	**TM-95GN**	
Dynamic microphone	**TM-82**	

2-10 BGM System for Small Shops Using Dante

Space-saving

Intuitive Control

Sound Adjustable via DSP

‰ Dante®

The MM-2D Dante converter with a compact yet highly functional mixer is suitable for small-scale systems using Dante. The MM-2D has DSP functions in its input and output stages, allowing adjustment optimized for the installation environment.

It also supports 4-channel Dante input, making it easy to integrate a playback device with Dante output into the system such as the SS-R250N.

System Diagram

TM-95GN
Gooseneck mic

MIC/LINE in

Network switch

Dante in

Dante input

SS-R250N · IF-DA2
SD/USB recorder / player · Dante card

‰ Dante®

MM-2D
Dante converter

TASCAM DCP CONNECT

Analog out (Mic+Dante)

MA-BT240
Mixing amplifier

ZONE 1
Speaker

MA-BT240
Mixing amplifier

ZONE 2
Speaker
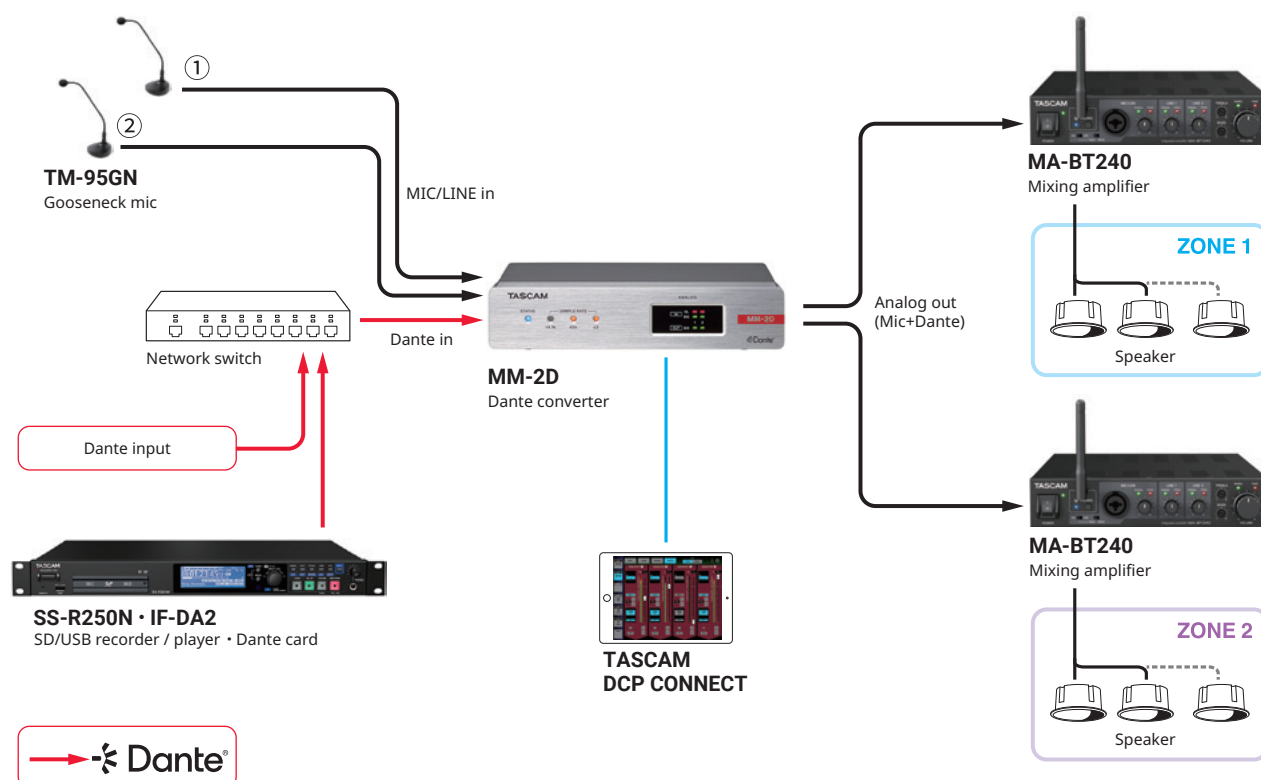
TASCAM Equipment Installed

Product Outline	Model Name	Remarks
2ch Mic/Line Input/Output Dante Converter with built-in DSP Mixer	**MM-2D**	
Solid state stereo audio recorder / player	**SS-R250N**	
SS-R250N dedicated Dante interface card	**IF-DA2**	
High and low impedance mixing amplifier with microphone input and Bluetooth®	**MA-BT240**	
Gooseneck condenser microphone	**TM-95GN**	
DCP control software for system integrators / managers	**TASCAM DCP CONNECT**	

3-1 Multi-Sound Playback System

Multi-Channel Playback | Cable Reduction | External Control

Dante®

The DA-6400 multi-track recorder allows source playback of up to 64 channels.

With the optional Dante converter card IF-DA64, 64 channels can be transmitted with just one LAN cable.

With the Sonicview 24 the audio channels can be controlled or processed before they are received by the SB-16D or sent to other sources from the Sonicview 24.

System Diagram
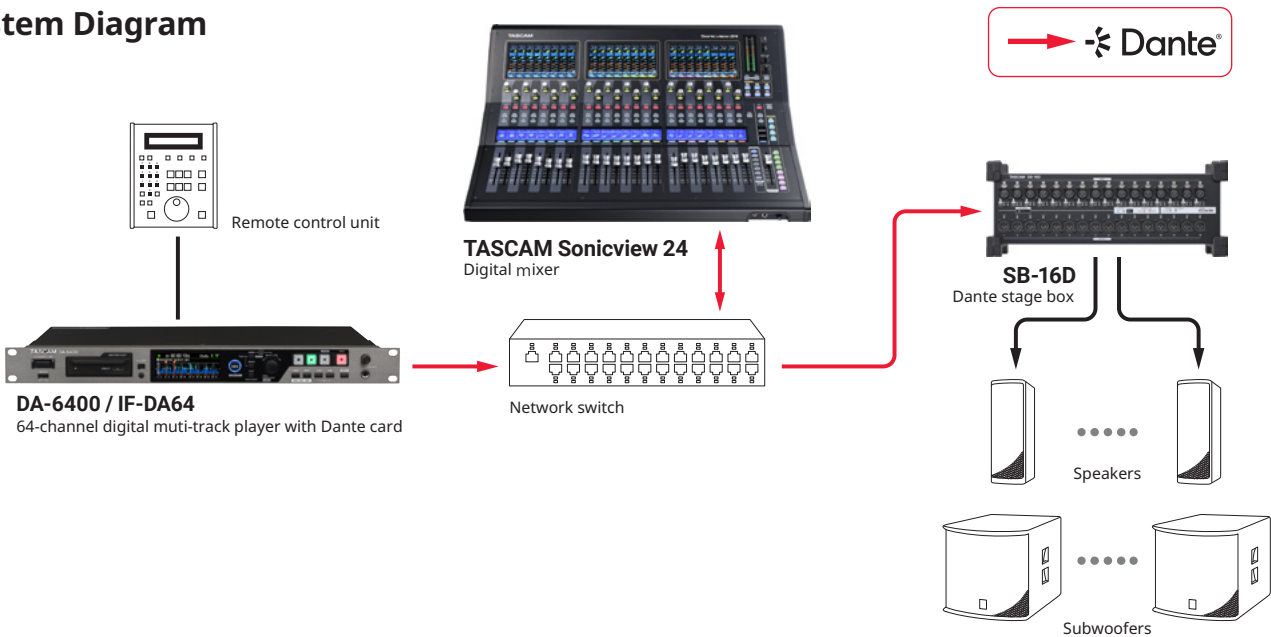
Remote control unit

TASCAM Sonicview 24
Digital mixer

→ Dante®

SB-16D
Dante stage box

DA-6400 / IF-DA64
64-channel digital muti-track player with Dante card

Network switch

Speakers

Subwoofers

TASCAM Equipment Installed

Product Outline	Model Name	Remarks
Digital mixer	**TASCAM Sonicview 24**	
16in / 16out Dante stage box	**SB-16D**	
64-channel digital multitrack recorder / player	**DA-6400**	
Dante interface card	**IF-DA64**	

3-2 PA Wireless Mic System for Theaters Using Dante

Cable Reduction **Compact System** **Long-Distance Transmission** Dante®

For theater stages and environments where multiple wireless microphones are needed for the performers, connecting all wireless microphone's audio signals into the ML-32D or the ML-16D will enable a simplified and compact system.

The audio output signals coming from the wireless microphone's receivers are converted from analog to Dante with the ML-32D / ML-16D. After assigning signals on a Dante-compatible console, long-distance transmission from stage to FOH can be done with the minimum amount of cables.

Additionally, signal input to ML-32D /ML16-D's analog D-sub input terminal can be done by introducing the XLR to D-sub conversion break-out box BO-16DX/IN.

System Diagram
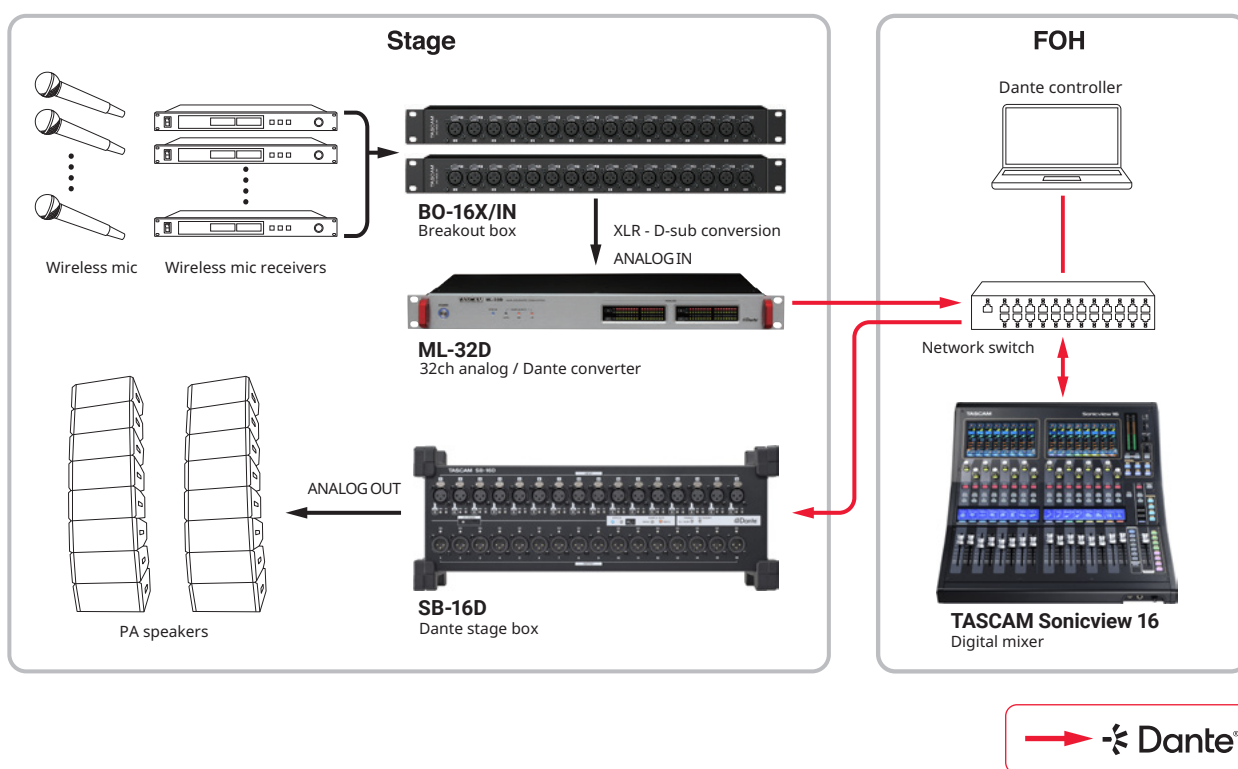
Stage

BO-16X/IN
Breakout box

XLR - D-sub conversion

ANALOG IN

ML-32D
32ch analog / Dante converter

Wireless mic   Wireless mic receivers

ANALOG OUT

SB-16D
Dante stage box

PA speakers

FOH

Dante controller

Network switch

TASCAM Sonicview 16
Digital mixer

Dante®

TASCAM Equipment Installed

Product Outline	Model Name	Remarks
Digital mixer	**TASCAM Sonicview 16**	
16in / 16out Dante stage box	**SB-16D**	
32 analog line I/O Dante converter	**ML-32D**	
16 channel D-sub 25-pin XLR input breakout box	**BO-16DX/IN**	

Live Entertainment

3-3 Fixed Installations for Halls

Dante Redundant **Less Wiring** **Low Signal Degradation** ᐧᐧ Dante®

Implementing the Dante-compatible TASCAM Sonicview 24 and SB-16D will free users from complicated cable systems and hum noises among other issues related to analog connections. These products will also allow for the consolidation of many audio cables into relatively inexpensive LAN cables, reducing cable-related costs.
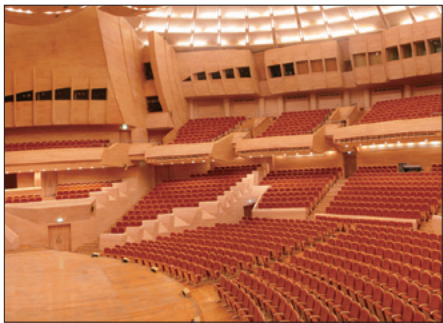
System Diagram
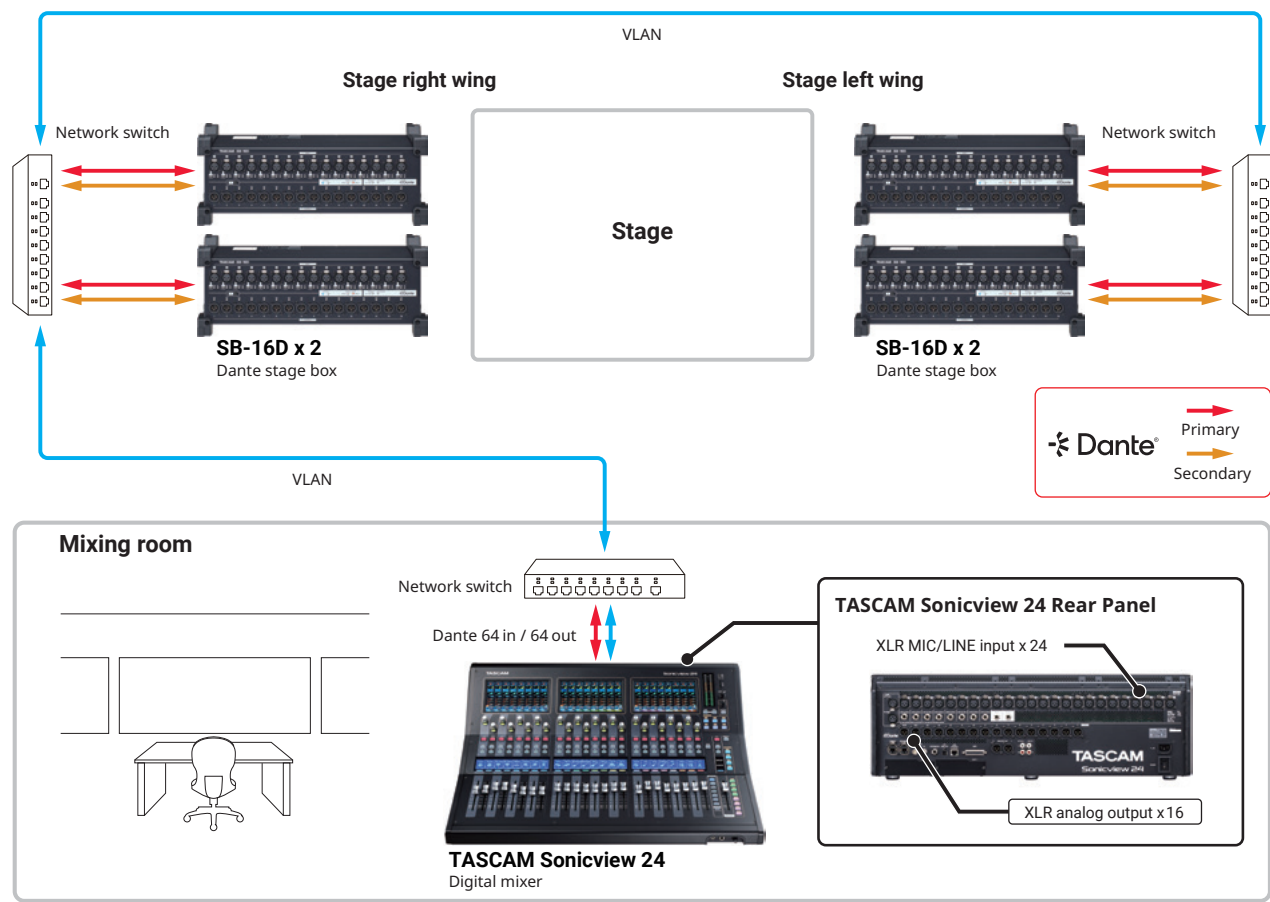
VLAN

Stage right wing **Stage left wing**

Network switch

Network switch

Stage

SB-16D x 2
Dante stage box

SB-16D x 2
Dante stage box

ᐧᐧ Dante® → Primary → Secondary

VLAN

Mixing room

Network switch

Dante 64 in / 64 out

TASCAM Sonicview 24 Rear Panel

XLR MIC/LINE input x 24

XLR analog output x 16

TASCAM Sonicview 24
Digital mixer

TASCAM Equipment Installed

Product Outline	Model Name	Remarks
Digital mixer	**TASCAM Sonicview 24**	
16in / 16out Dante stage box	**SB-16D**	

3-4 SR System for Music Venues Using Dante

Remote Control   **Flexible Routing**   **Snapshot Recall**   ᐧᑖ Dante®

This system employs a TASCAM Sonicview 24 as the main console and multiple SB-16Ds as stage boxes. By connecting the TASCAM Sonicview 24 and SB-16Ds via Dante, 48in/48out connection can be realized with only a few LAN cables. In addition, full control of the SB-16D units, including mic gain control, can be done through the main console.

Implementing Dante provides flexible routing, while band swapping and settings for each event can be instantly switched and recreated with snapshots from the TASCAM Sonicview 24. TASCAM Sonicview 24 rear panel is equipped with a handful of in/out terminals that enable the easy connection of devices for BGM playback and/or recording, as well as monitor output for the backstage area. In addition, the TASCAM Sonicview Control software allows remote control via Wi-Fi for on-stage monitor adjustments.

System Diagram

→ ᐧᑖ Dante®

Stage

SB-16D Dante stage box #1
SB-16D Dante stage box #2
SB-16D Dante stage box #3

Side-fill speaker
Line array speakers
Sub-woofers

Side-fill speaker
Line array speakers
Sub-woofers

Stage or in-ear monitors

Front-fill speakers

FOH

Network switch

TASCAM Sonicview Control Remote control software
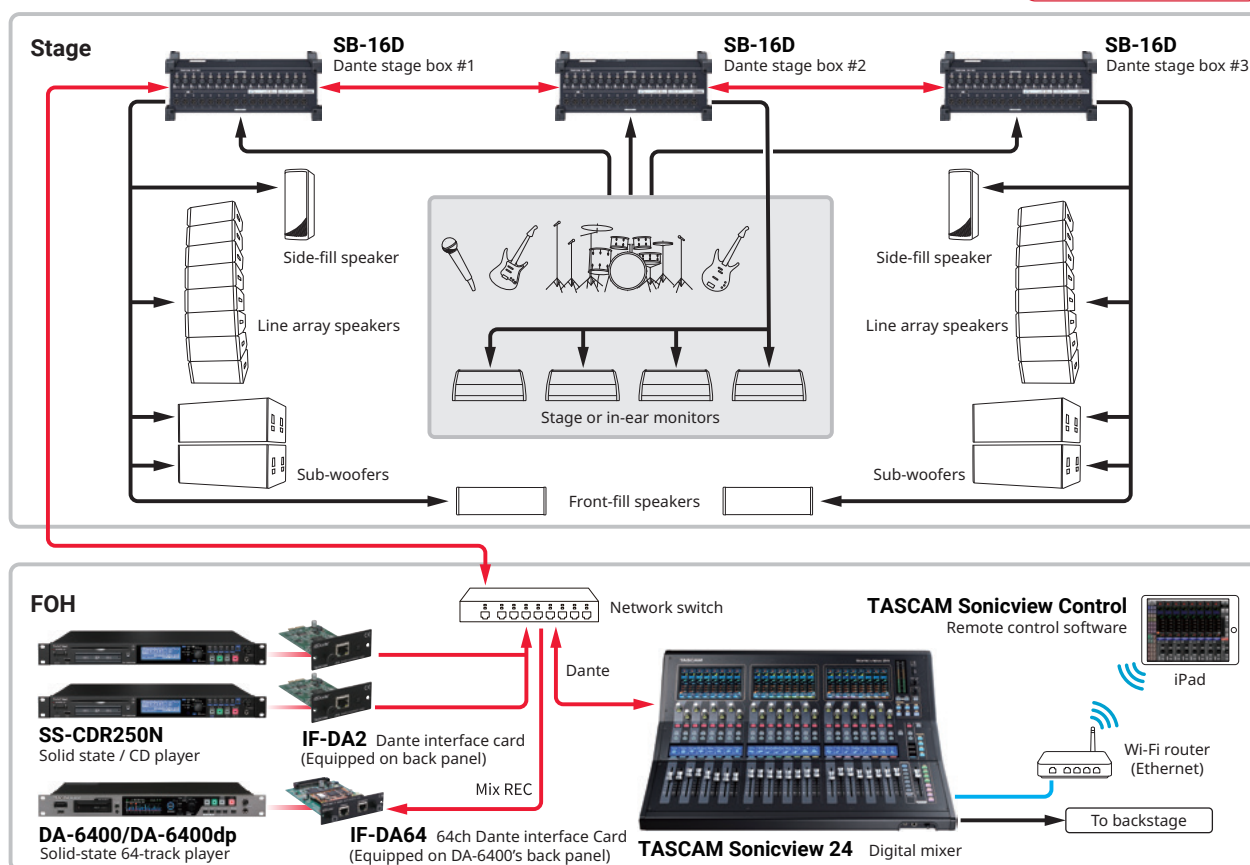
iPad

Dante

SS-CDR250N Solid state / CD player

IF-DA2 Dante interface card (Equipped on back panel)

Mix REC

DA-6400/DA-6400dp Solid-state 64-track player

IF-DA64 64ch Dante interface Card (Equipped on DA-6400's back panel)

TASCAM Sonicview 24 Digital mixer

Wi-Fi router (Ethernet)

To backstage

Live Entertainment

TASCAM Equipment Installed

Product Outline	Model Name	Remarks
Digital mixer	**TASCAM Sonicview 24**	
16in / 16out Dante stage box	**SB-16D**	
64-channel digital multitrack recorder	**DA-6400 / DA-6400dp**	
Solid state / CD stereo audio recorder / player	**SS-CDR250N**	
Dante interface card	**IF-DA2**	
64ch Dante interface card	**IF-DA64**	
Remote control software for TASCAM Sonicview 24	**TASCAM Sonicview Control**	

3-5 96kHz Live SR/Recording System Using a FOH and Monitor Console

96kHz Operation	64ch Recording	Dante Redundant	⠿ Dante®

Build a full 96kHz live FOH system or monitor console by expanding the TASCAM Sonicview 24 with an IF-DA64 Dante interface card. In addition, connecting multiple SB-16D stage boxes and cascading two DA-6400 units will allow for achieving a 96kHz 64ch multi-channel recording system.

The redundant Dante connection allows for complete redundancy of cables and network switches, creating a highly reliable system with no loss of sound in the unlikely event of a problem.

System Diagram
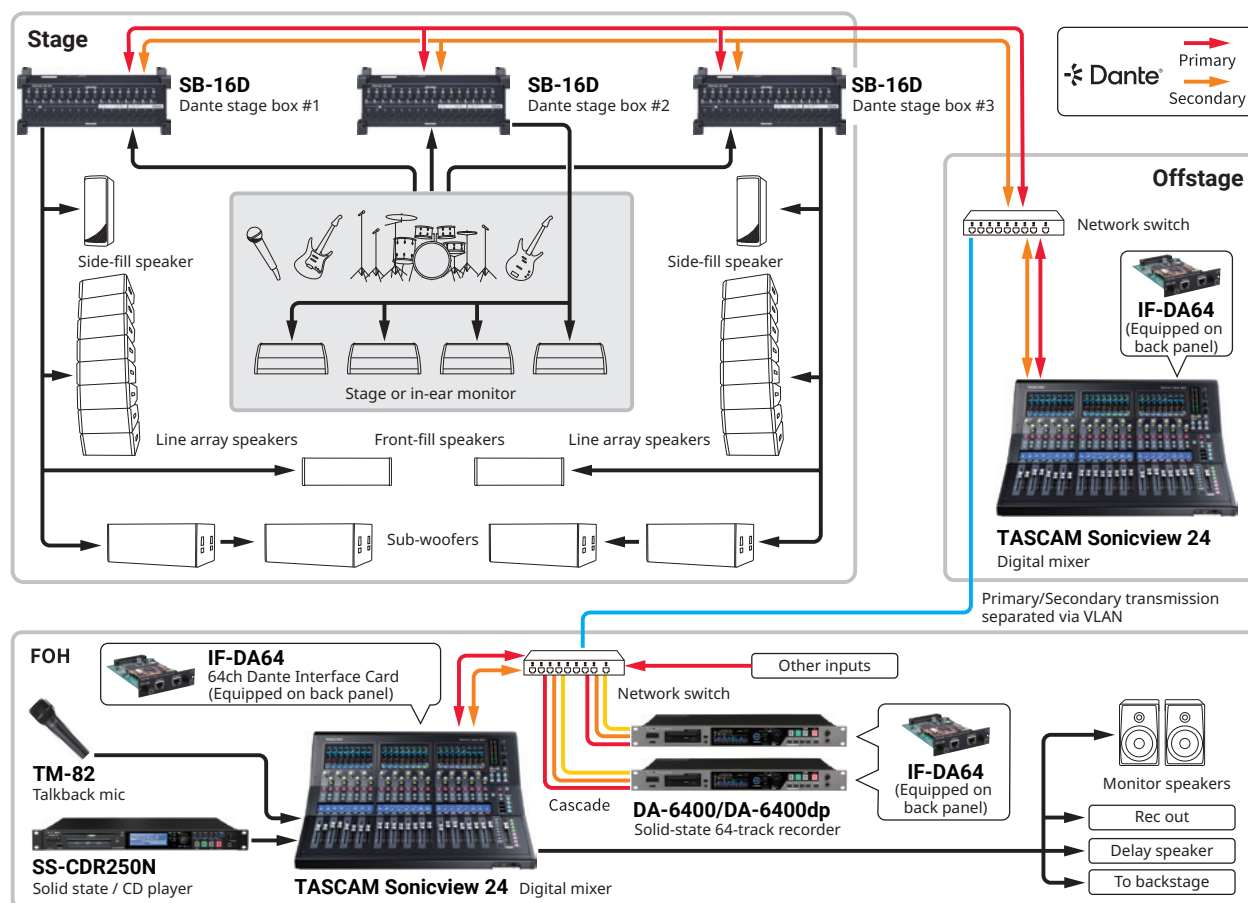
TASCAM Equipment Installed

Product Outline	Model Name	Remarks
Digital mixer	**TASCAM Sonicview 24**	
Solid state / CD stereo audio recorder / player	**SS-CDR250N**	
64-channel digital multitrack recorder	**DA-6400 / DA-6400dp**	
16in/16out Dante stage box	**SB-16D**	
64ch Dante interface card	**IF-DA64**	
Dynamic microphone	**TM-82**	

3-6 AB-Roll and Multi-Track Playback in Theaters

Theater Play / Playlist Function

Multiple Large Screen Display

Remote Controllable

‹ Dante®

This system enables AB-roll multi-track playback, which alternates the playback of each of the content respective to the timing of the scene in theaters and amusement facilities. The DA-6400's theater play function can be used for reliable playback using only the PLAY button operation, and the playlist function can be used to easily change the order of tracks and set the playback start/stop position to any desired position. (This system has been introduced to multiple theaters and facilities in Japan)

System Diagram
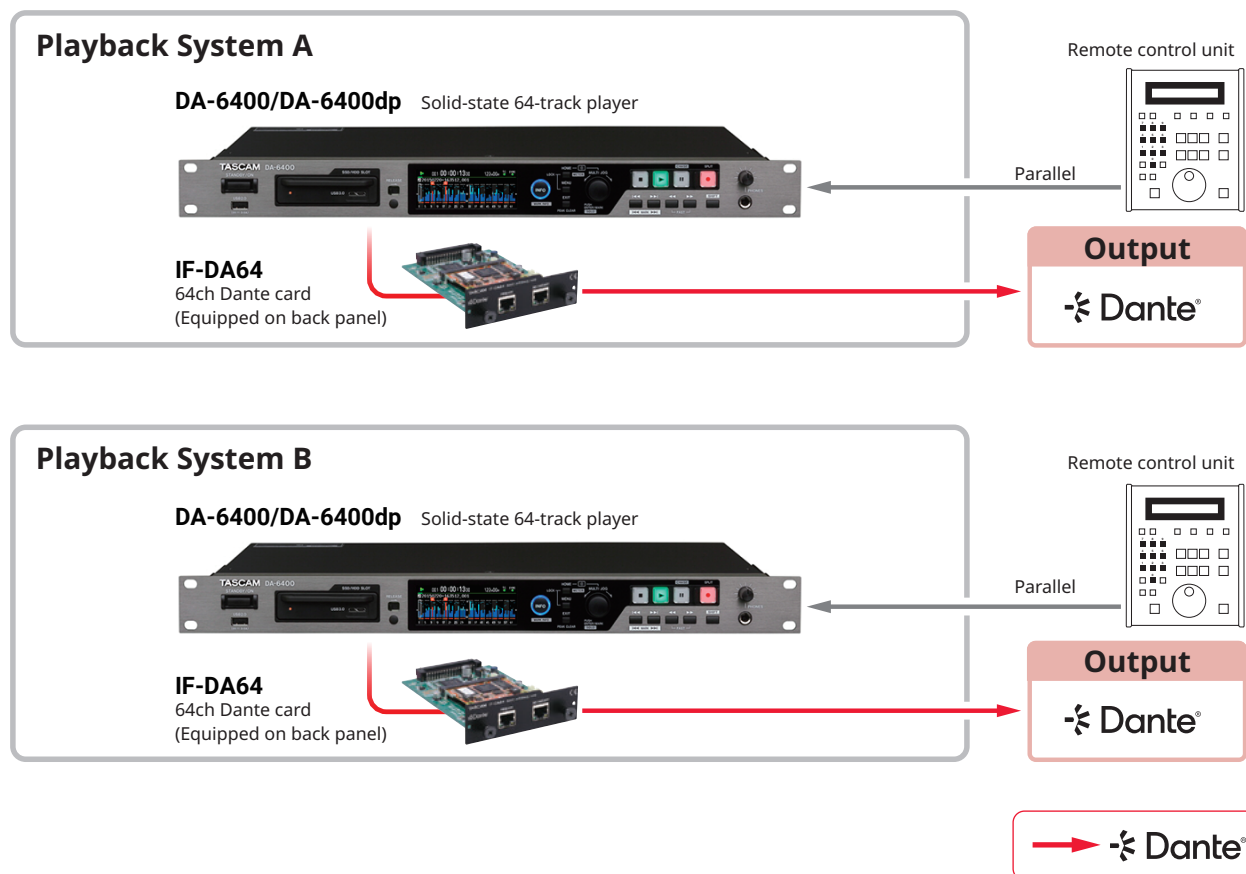
Playback System A

DA-6400/DA-6400dp Solid-state 64-track player

IF-DA64
64ch Dante card
(Equipped on back panel)

Remote control unit

Parallel

Output
‹ Dante®

Playback System B

DA-6400/DA-6400dp Solid-state 64-track player

IF-DA64
64ch Dante card
(Equipped on back panel)

Remote control unit

Parallel

Output
‹ Dante®

⟶ ‹ Dante®

TASCAM Equipment Installed

Product Outline	Model Name	Remarks
64-channel digital multitrack recorder / player	**DA-6400 / DA-6400dp**	
64ch Dante interface card	**IF-DA64**	

3-7 DAW Live Recording and Backup Recording System

32 bit 32 in / 32 out USB Audio Interface

Simple Routing

Reliable Recording

Build a live recording system using a DAW as your main recording system using the TASCAM Sonicview's 32in/32out USB audio interface function. For live systems using MADI or Dante, the DA-6400 can also be used as a backup recorder to ensure high reliability, and, in the case of Dante, it is possible to build an even more reliable system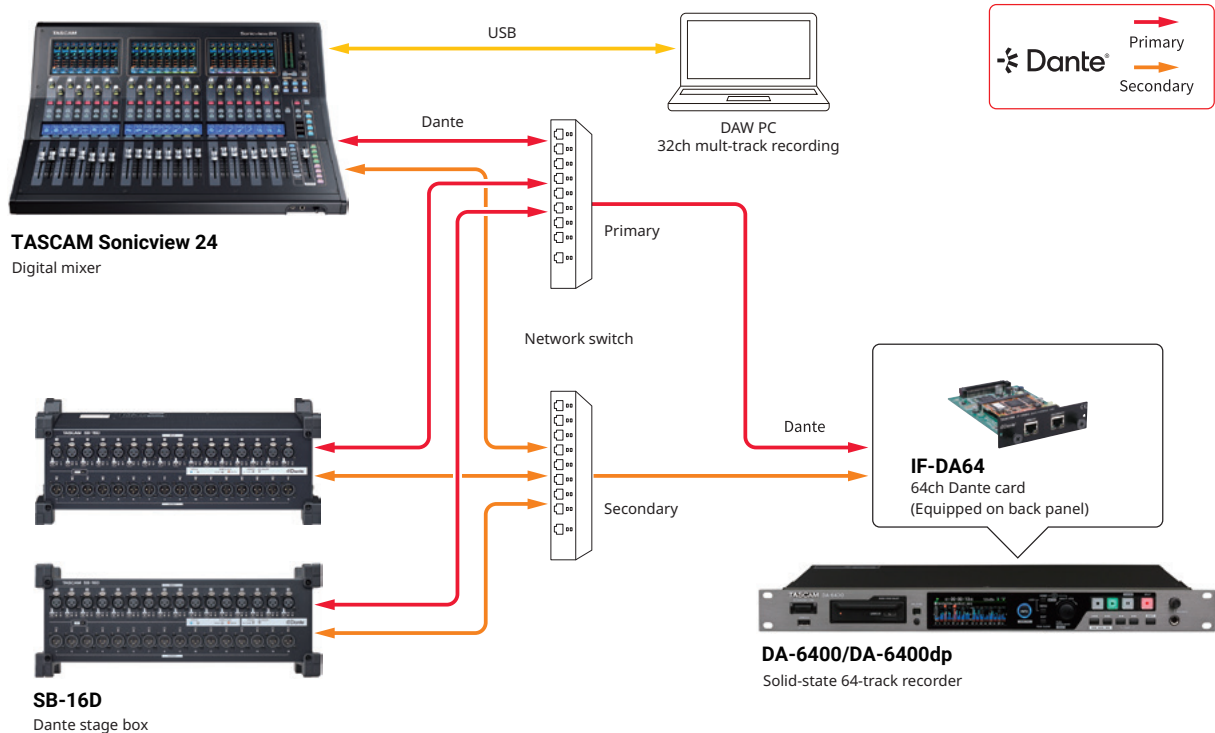 by assembling a redundant one. The DA-6400 provides high stability as a stand-alone unit and while recording on the dedicated TASCAM SSD media, it performs file-close processing approximately every 20 seconds, therefore allowing for reliable backup recording in case of any DAW trouble. Moreover, the DA-6400 records data as BWF mono files which can be easily imported onto the DAW, and the physical unit itself is compact enough to fit in a 1U size rack system.

System Diagram

USB

DAW PC
32ch mult-track recording

Dante

TASCAM Sonicview 24
Digital mixer

Primary

Network switch

Secondary

Dante

IF-DA64
64ch Dante card
(Equipped on back panel)

DA-6400/DA-6400dp
Solid-state 64-track recorder

SB-16D
Dante stage box

Dante: Primary / Secondary

TASCAM Equipment Installed

Product Outline	Model Name	Remarks
Digital mixer	**TASCAM Sonicview 24**	
16 in / 16 out Dante stage box	**SB-16D**	
64-channel digital multitrack recorder	**DA-6400/DA-6400dp**	
Dante interface card	**IF-DA64**	

3-8 Video Sync Multi-Playback

Time Code Sync	Less Wiring	Stable Operation

Dante®

Build a simple and easy multi-playback system with video synchronization using the DA-6400's time code sync function. Using an IF-DA64 and ML-32D will allow for connecting the machine room to the venue via Dante connection with a single LAN cable, resulting in cost reduction, easy maintenance, and a redundant system for stable operation. This provides a suitable environment for projection mapping, planetariums, or other amusement facilities that wish to perform multi-playback.

System Diagram
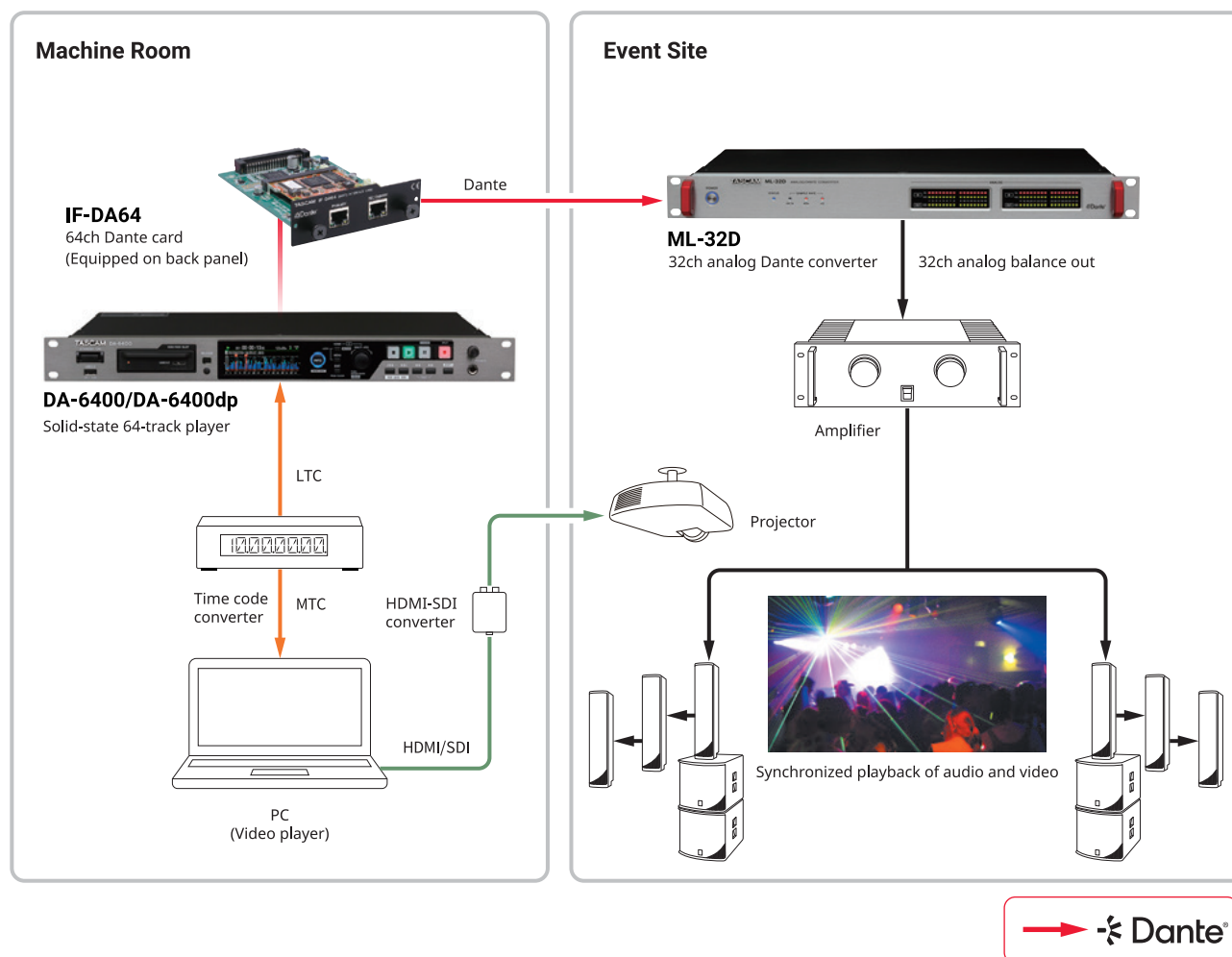
Machine Room

IF-DA64
64ch Dante card
(Equipped on back panel)

Dante

DA-6400/DA-6400dp
Solid-state 64-track player

LTC

Time code converter MTC HDMI-SDI converter

HDMI/SDI

PC
(Video player)

Event Site

ML-32D
32ch analog Dante converter   32ch analog balance out

Amplifier

Projector

Synchronized playback of audio and video

Dante®

TASCAM Equipment Installed

Product Outline	Model Name	Remarks
64-channel digital multitrack recorder / player	**DA-6400 / DA-6400dp**	
64ch Dante Interface Card	**IF-DA64**	
32ch Analog Dante Converter	**ML-32D**	

Case Study

Click on the case study images to view detailed pages.

Live Entertainment

No.	Case study(Japan)		Model Name	
1		Model 24 and Model 16 as mixers for "George Yanagi Memorial Live" live stream	**Model 16** **Model 24**	George Yanagi
2		Pasti Menang Corporation: Interview regarding DA-6400DP & IF-MA64/EX	**DA-6400**	Pasti Menang
3		Koji Ryu: Live DVD "Koji Ryu Live Tour 2017 feat. Hideyuki Yonekawa"	**CG-1800** **DA-6400**	Koji Ryu
4		Kazuyoshi Saito "Singing to the Rain" Acoustic Tour 2017	**DA-6400**	Kazuyoshi Saito
5		Inside the OB van recording system for AKB48 9th Senbatsu election	**CG-2000** **DA-6400**	AKB48
6		ML-32D Dante converter installation on the set of "Unfair Moon"	**BO-16DX/IN** **BO-16DX/OUT** **ML-16D** **BO-32DE** **ML-32D**	Unfair Moon
7		TASCAM VS-R264 encoder/decoder used for the live streaming of New Year Festival Concert 2021	**LA-40MKIII** **Model 12** **VS-R264**	New Year Fes
8		TASCAM Model 24 used at the Inter BEE 2018 opening ceremony and keynote speeches	**Model 24**	InterBEE 2018
9		Live recording with CRYPTON FUTURE MEDIA, INC	**DA-6400** **TASCAM DA-6400 CONTROL**	Crypton
10		TASCAM DA-6400 multi-track recorder at Chicken George in Kobe, Japan	**DA-6400** **TASCAM DA-6400 CONTROL**	CHIKEN GEORGE
11		Multitrack recordings for the live DVD of NANIWA EXP	**US-16x08** **X-48MKII**	NANIWA EXP
12		Sunphonix Corporation Live PA system	**CG-1000** **CG-1800** **CG-2000**	Sunphonix

Case Study

Click on the case study images to view detailed pages.

No.	Case study(Global)		Model Name	
14		The Lume Melbourne Van Gogh Experience: Introducing Dante models in immersive digital art gallery	**ML-32** **ML-4D** **MM-2D**	Van Gogh
15		TASCAM Captures Audio for Monterey Pop's 50th Anniversary	**DA-6400**	Monterey Pop Festival
16		Kooster McAllister Captures Farm Aid with TASCAM	**DA-6400**	Kooster McAllister
17		TASCAM Plays an Integral Role in Third Eye Blind Production	**DR-10L** **DR-40X** **Model 24**	Third Eye Blind
18		TASCAM Announces the TASCAM & Tommy Bolan Recording and Guitar Gear Giveaway Contest	**Model 12**	Tommy Bolan
19		The Online Magazine for Creative Musicians, Content Creators & Recording Engineers V2/Issue 2	**Model 12**	Online Magazine
20		TASCAM's DA-6400 Captures Grand Performances in Downtown L.A.	**DA-6400**	Grand Performances
21		CLAIR GLOBAL TOURS THE WORLD WITH TASCAM	**DA-6400** **SS-CDR250N**	CLAIR GLOBAL TOURS
22		TASCAM's Model 24 Brings Versatility to Matt Molchany's Engineering Efforts	**Model 24**	Matt Molchany
23		TASCAM's Sonicview 24XP Helps Steve Remote Thrive at the 2023 Newport Jazz Festival	**DA-6400** **IF-MA64/EX** **TASCAM Sonicview 24**	Newport Jazz Festival
24		TASCAM's SS-CDR250N Brings Clarity to the Minnesota Zoo	**SS-CDR250N**	Minnesota Zoo
25		TASCAM's Portacapture X8 Brings Greater Accuracy to Live Recordings	**Portacapture X8**	Scott and Warren
26		TASCAM's Model 16 and Portacapture X8 are Central to Eoghan Johnston's Recording Efforts	**Model 16** **Portacapture X8**	Eoghan Johnston

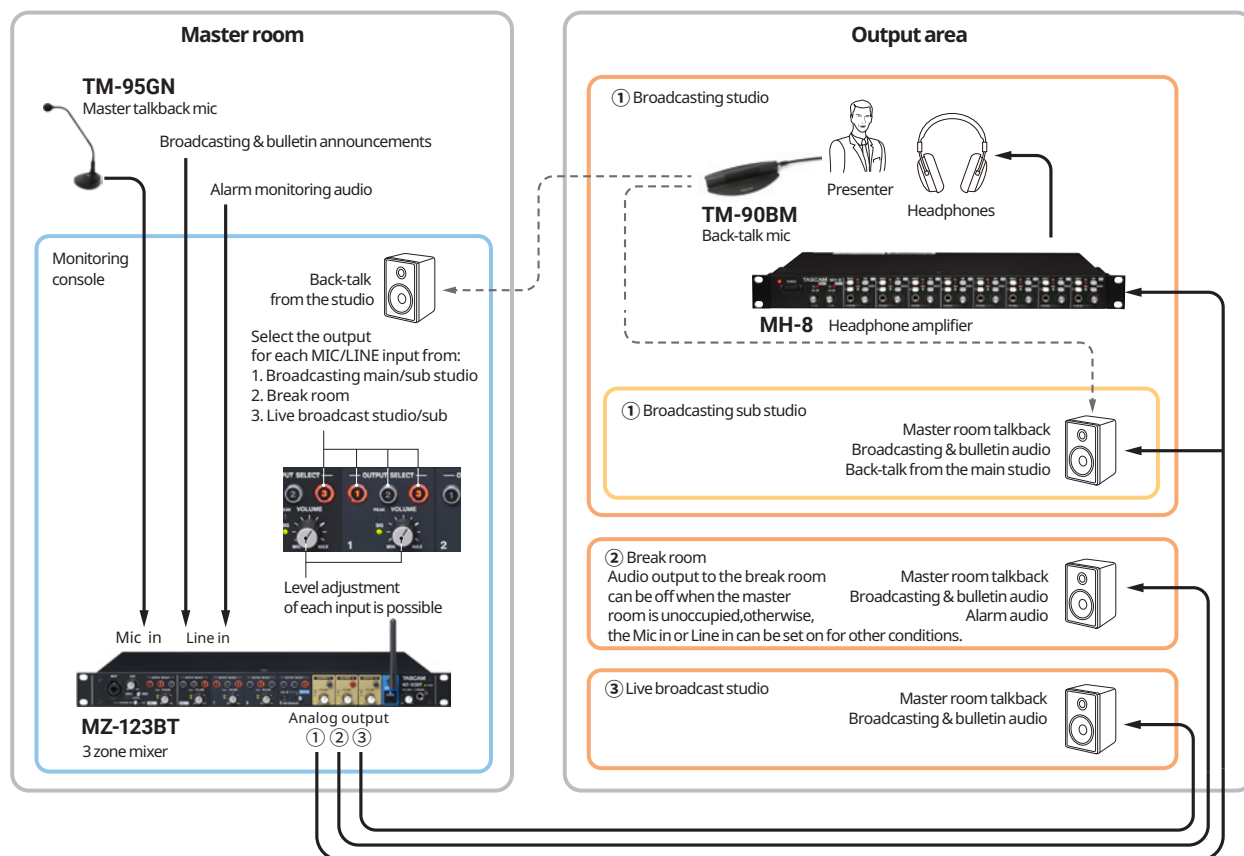# 4-1 Inter-Room Talkback System Between the Master Room and Studio

Low Cost	Easy Control	Space-Saving

Using the MZ-123BT in the master room enables talkback/paging, as well as audio announcements and alarms from the monitoring server to the broadcasting main/sub studio, break rooms, etc. Output destinations can be set individually; and if the master room is unoccupied, all outputs to the break room can be performed with a simple switch operation.

System Diagram

Master room

TM-95GN
Master talkback mic

Broadcasting & bulletin announcements

Alarm monitoring audio

Monitoring console

Back-talk from the studio

Select the output for each MIC/LINE input from:
1. Broadcasting main/sub studio
2. Break room
3. Live broadcast studio/sub

Level adjustment of each input is possible

Mic in   Line in

MZ-123BT
3 zone mixer

Analog output
① ② ③

Output area

① Broadcasting studio

Presenter   Headphones

TM-90BM
Back-talk mic

MH-8   Headphone amplifier

① Broadcasting sub studio
Master room talkback
Broadcasting & bulletin audio
Back-talk from the main studio

② Break room
Audio output to the break room can be off when the master room is unoccupied, otherwise, the Mic in or Line in can be set on for other conditions.
Master room talkback
Broadcasting & bulletin audio
Alarm audio

③ Live broadcast studio
Master room talkback
Broadcasting & bulletin audio

TASCAM Equipment Installed

Product Outline	Model Name	Remarks
Commercial-grade multi-zone audio mixer	**MZ-123BT**	
8-channel headphone amplifier	**MH-8**	
Gooseneck condenser microphone	**TM-95GN**	
Boundary condenser microphone	**TM-90BM**	

# 4-2 Audio System for Radio Studios

Extensive Inputs/Outputs **High-Quality Audio** **GPIO** Dante®

The TASCAM Sonicview 24 is the optimal console for radio studios with its extensive number of input/output terminals. The unit has 24 mic/line inputs and 16 line outputs; equipping two of the optional IF-AE16 interface cards to the TASCAM slots will allow for an additional AES/EBU in/out of 16in/16out (8 AES I/O). The TASCAM Sonicview 24 comes equipped with a 32in/32out USB audio interface function, enabling easy DAW connection and it also supports 8 in/8 out GPIOs for external control of fader start, talkback etc. Moreover, the 64-in/64-out Dante interface allows for flexible and simple connections to other studios and master rooms.

System Diagram
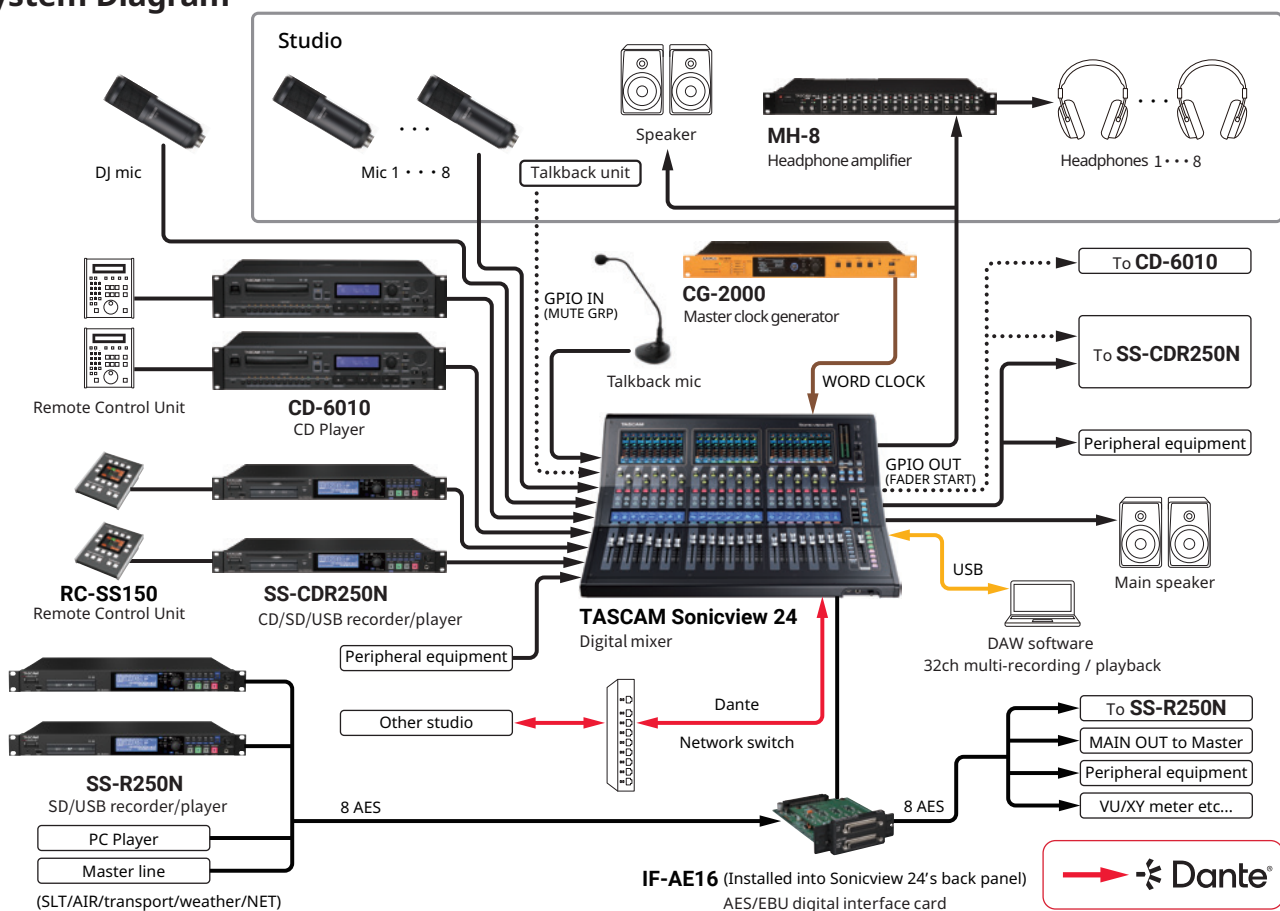
TASCAM Equipment Installed

Product Outline	Model Name	Remarks
Digital mixer	**TASCAM Sonicview 24**	
AES/EBU digital interface card	**IF-AE16**	
Master clock generator	**CG-2000**	
High-Performance CD Player for Broadcast	**CD-6010**	CD-RW900SX can be substituted
Solid state / CD stereo audio recorder / player	**SS-CDR250N**	
Remote control unit for SS-R250N/SS-CDR250N	**RC-SS150**	
Solid state recorder	**SS-R250N**	
8-ch headphone amplifier	**MH-8**	
Dynamic microphone	**TM-70**	
Gooseneck condenser microphone	**TM-95GN**	

# 4-3 Audio System for Small-Mid TV Studios

| Extensive Inputs/Outputs | High-quality Audio | Word-Sync | Dante |

The TASCAM Sonicview 24 is suitable as the main console for small to medium-sized television studio sound systems. The unit has 24 mic/line inputs and 16 line outputs; equipping two of the optional IF-AE16 interface cards to the TASCAM slots will allow for an additional AES/EBU in/out of 32in/32out (16 AES I/O). Using the equipped 64in/64out Dante interface and installing the SB-16D stage box at various locations does not only simplify the connections between studio and sub, master room, and other studios but also allows for a flexible system. In addition, the 32in/32out USB audio interface function allows recording and playback to/from DAWs, and the 8in/8out GPIO external control port supports cuff control. 22 flexible buses allow flexible construction of N-1 send-back audio output and talkback interruptions to destinations. Audio Reference signals can also be easily sent out via a dedicated screen. The TASCAM Sonicview 24 comes standard with the basic functions required for a studio system.

System Diagram
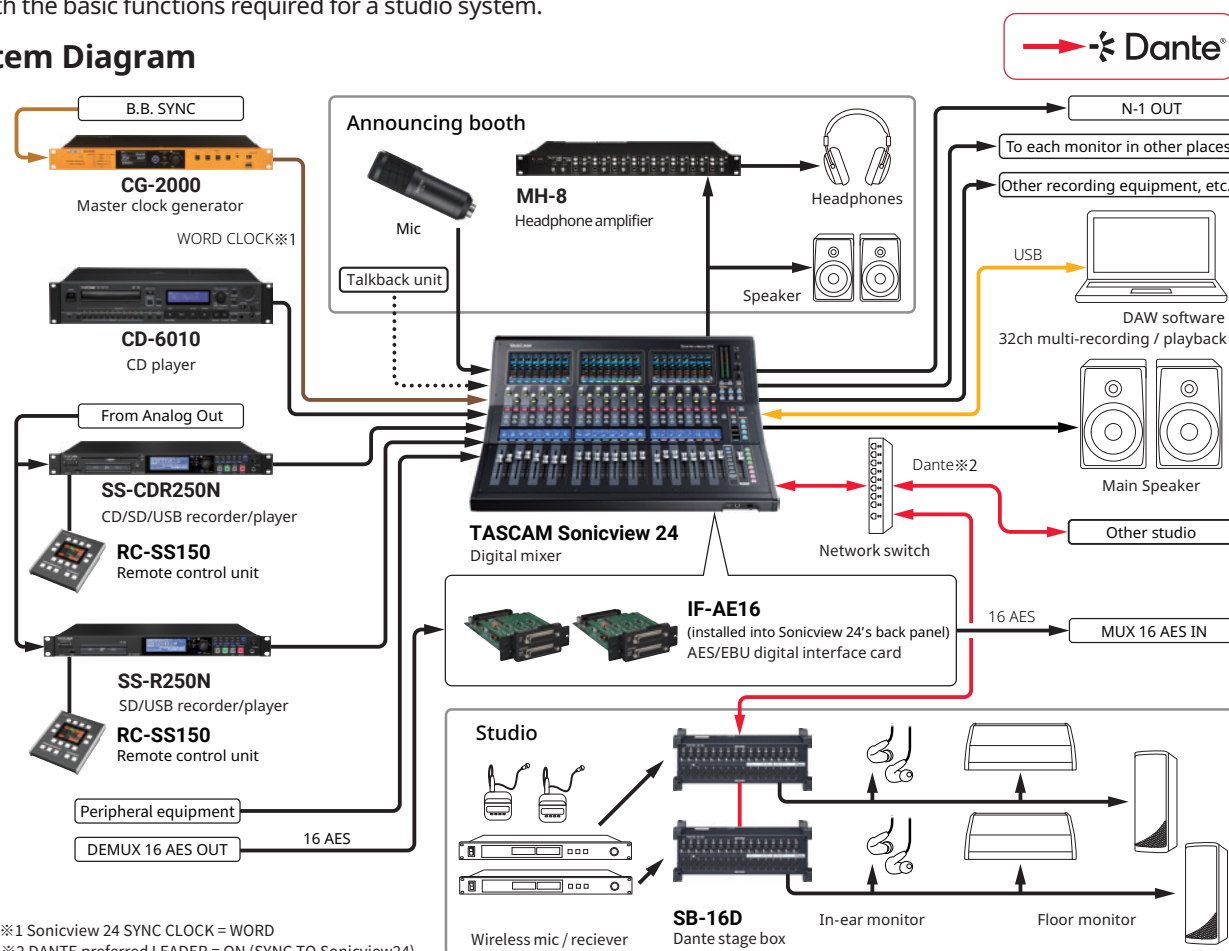
※1 Sonicview 24 SYNC CLOCK = WORD
※2 DANTE preferred LEADER = ON (SYNC TO Sonicview24)

TASCAM Equipment Installed

Product Outline	Model Name	Remarks
Digital mixer	**TASCAM Sonicview 24**	
AES/EBU digital interface card	**IF-AE16**	
16in/16out Dante stage box	**SB-16D**	
Master clock generator	**CG-2000**	
High-Performance CD Player Broadcast	**CD-6010**	
Solid state / CD stereo audio recorder / player	**SS-CDR250N**	
Remote control unit for SS-R250N/SS-CDR250N	**RC-SS150**	
Solid state recorder	**SS-R250N**	
8-ch headphone amplifier	**MH-8**	
Dynamic microphone	**TM-70**	

4-4 TV Relay System

Analog/Dante Conversion

Simplified Wiring

Extensive I/O

The SB-16D stage box can be used as an analog-to-Dante converter to greatly simplify wiring at TV relay sites. The SB-16D, which connects 16 channels of analog inputs and outputs via XLR connectors, is a compact 3U unit that can be installed anywhere.

Installing a TASCAM Sonicview digital mixer in an audio OB van enables audio mixing with matrix mix capability, and with optional Sonicview IF-sereis expansion cards (sold separately), analog, MADI, AES/EBU, and additional Dante conversion is possible. Moreover, connecting a PC to the USB port on Sonicview's rear panel allows for 32 channels of input/output ready to be used for multi-recording and distribution using a DAW.

System Diagram
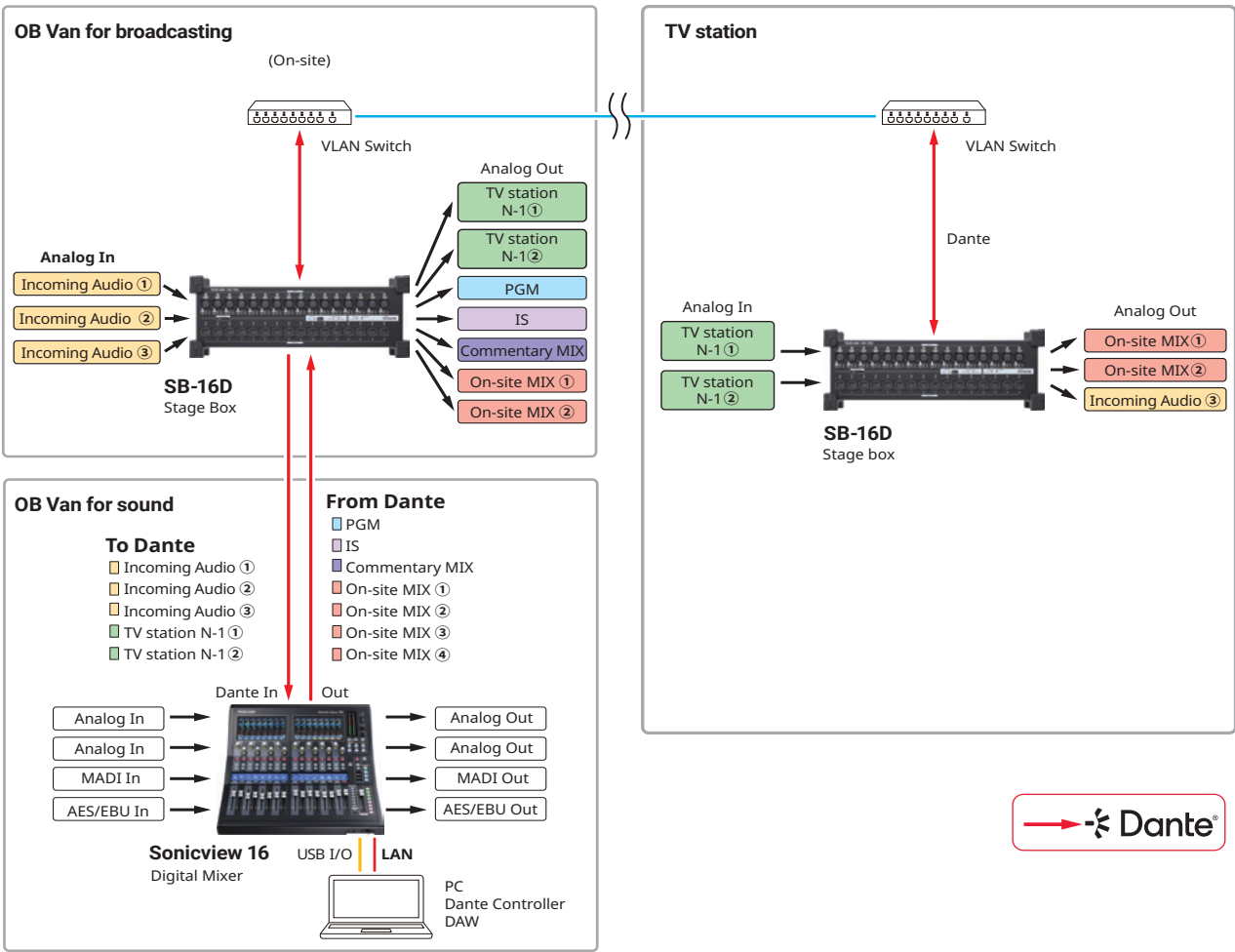
TASCAM Equipment Installed

Product Outline	Model Name	Remarks
Digita Mixer	**TASCAM Sonicview 16**	
Stage Box	**SB-16D**	

4-5 High Compatibility with Next-Generation Broadcast Studio Systems Built on SMPTE ST 2110

Low Cost	Improved Workflow	Reduced Equipment

By installing the IF-ST2110 to a TASCAM Sonicview 16/24, the IF-ST2110 can be used in a broadcast studio system built with SMPTE ST 2110. The IF-ST2110 is a flexible audio protocol that can be used for various specifications in a broadcast studio system built with SMPTE ST 2110. The IF-ST2110 can send and receive 64 channels (8 streams when stream = 8 channels) of input and output material. It has an independent control port and supports external control via NMOS IS-04/05.

The TASCAM Sonicview main unit also supports external control via the Ember+ protocol via its Ethernet port. In addition to the already established functions to meet the needs of various broadcast sites, TASCAM Sonicview has the flexibility and expandability to connect to legacy formats such as Analog, AES/EBU, MADI, Dante, etc., making it the core of the audio section of the ST 2110's next-generation broadcast studio system.

System Diagram
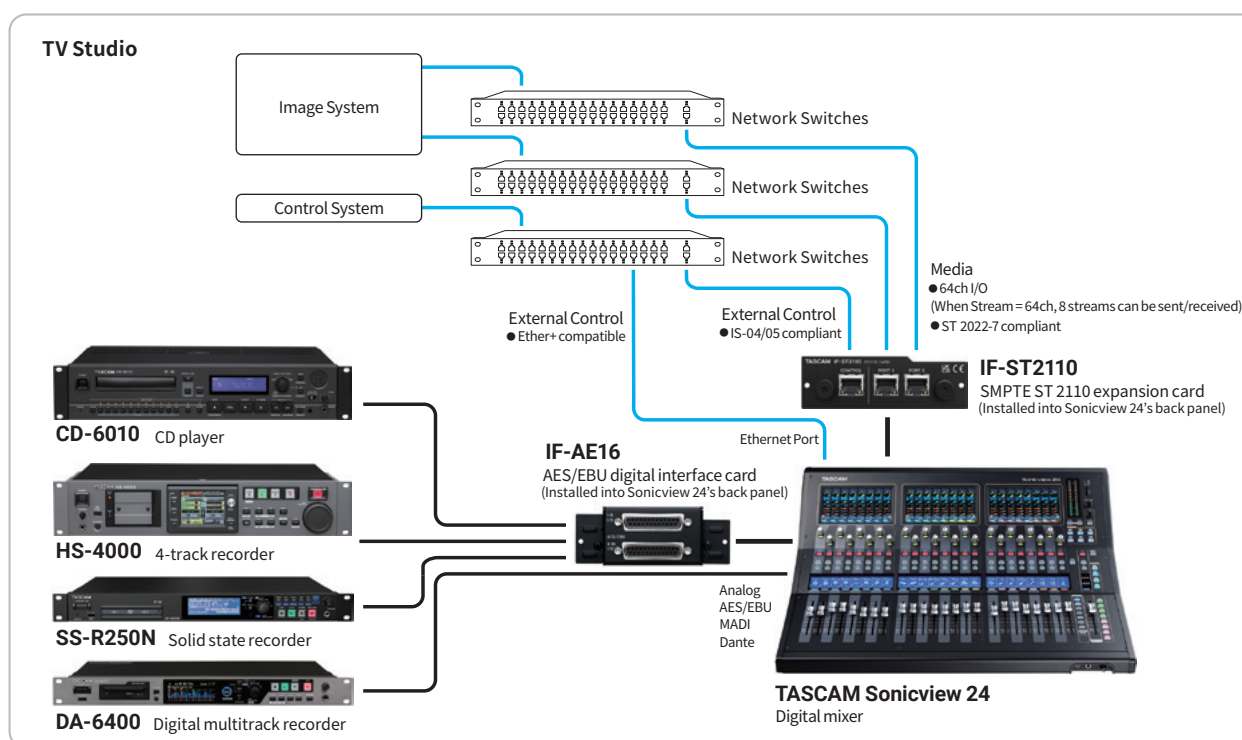
TASCAM Equipment Installed

Product Outline	Model Name	Remarks
Digital mixer	**TASCAM Sonicview 24**	
SMPTE ST 2110 expansion card	**IF-ST2110**	
16-In/16-Out AES/EBU expansion card	**IF-AE16**	
High-performance CD player for the broadcast	**CD-6010**	
4-track broadcast recorder	**HS-4000**	
2-channel SD/USB recorder/player with network	**SS-R250N**	
64-channel digital multitrack recorder/player	**DA-6400**	

4-6 Television Broadcasting System Using AFV Function

Reduced Mixing Operations	Various Uses	Low Cost

The AFV (Audio Follow Video) function in the TASCAM Sonicview 16 /24 allows the corresponding audio faders to operate in conjunction with the video material tally from the video switcher.

Fade-in and fade-out levels and times can be set, as well as enabled and disabled for each fader.

This system enables simple sound and video linkage operation in broadcast studio systems as well as in various live broadcast sites such as sporting events.

System Diagram

Video switcher

TALLY OUT

GPIO IN

V1
V2
V3
C1
C2

TASCAM Sonicview 24 Digital mixer
or
TASCAM Sonicview 16 Digital mixer
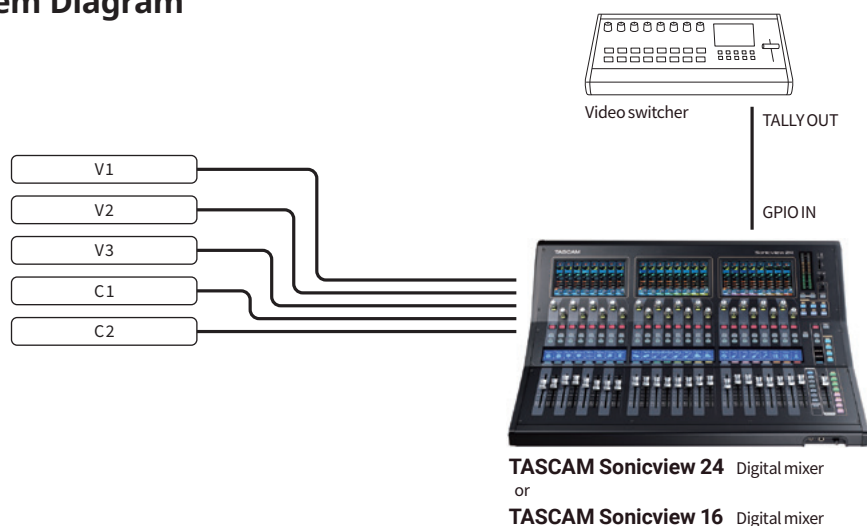
AFV screen

TASCAM Equipment Installed

Product Outline	Model Name	Remarks
Digital mixer	**TASCAM Sonicview 24**	
Digital mixer	**TASCAM Sonicview 16**	

4-7 Video Content Audition in Post-Production Studios

4K Blu-ray/DVD Playback	7.1ch Analog Output	Multimedia Support

The BD-MP4K with 7.1ch analog output can be used for the sound-check of video material brought into the studio and final audio confirmation of fully packaged material.

<BD-MP4K supported media and formats>
- **Blu-ray** : BD25, BD50, BD-ROM, BD-R, BD-RE
- **DVD** : DVD-ROM, DVD-R, DVD-RW, DVD+R, DVD+RW
- **CD** : CD-DA, CD-R

System Diagram

FL   Monitor display   FR

C

SL   SW   SR

SBL   SBR

7.1ch analog output

Digital mixer

7.1ch analog output (Balanced)

Unbalance/balance line converter

7.1ch analog output (unbalanced)   HDMI

BD-MP4K
Professional-grade 4K UHD Blu-ray player
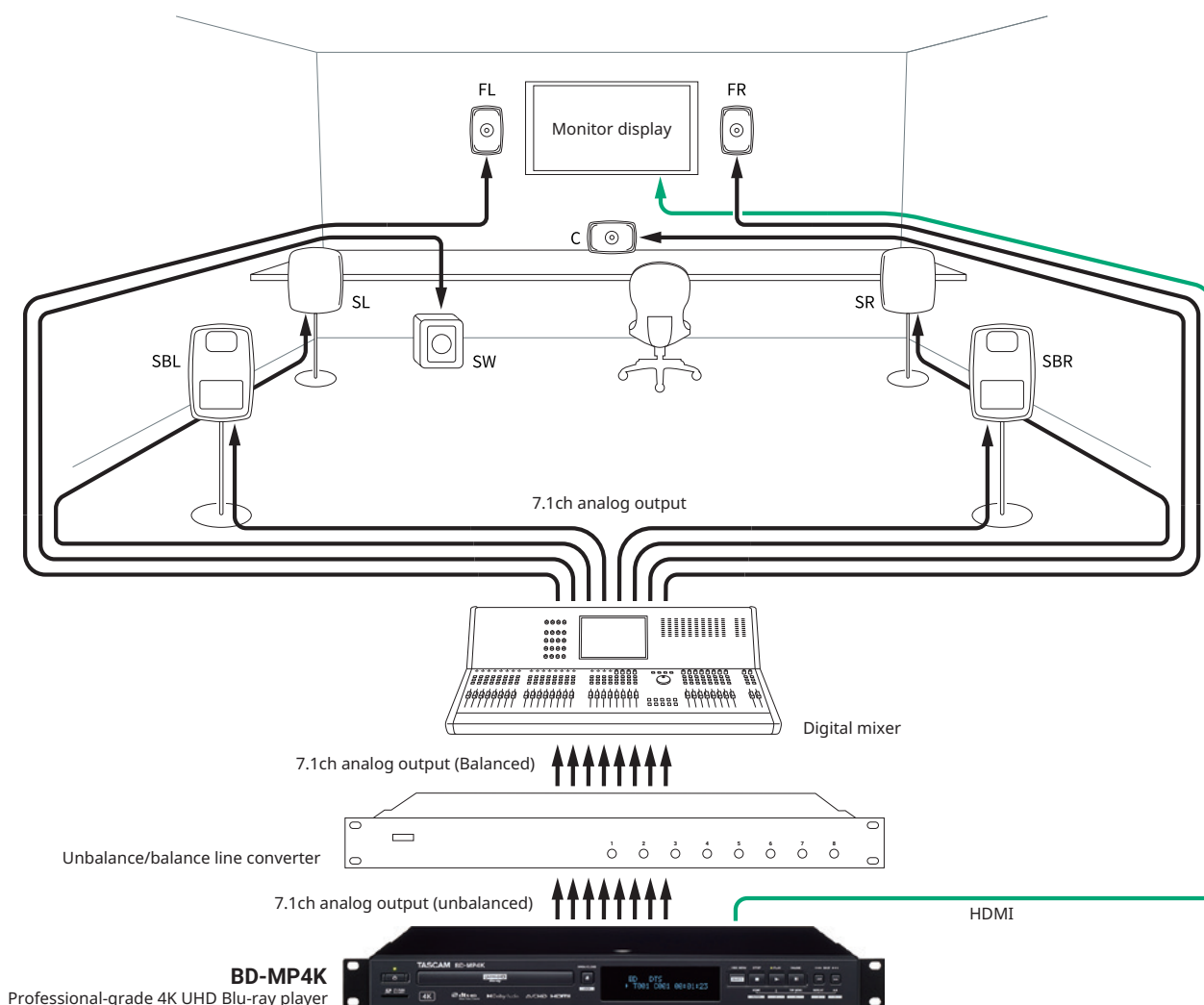
TASCAM BD-MP4K

TASCAM Equipment Installed

Product Outline	Model Name	Remarks
Professional-grade 4K UHD Blu-ray™ player	**BD-MP4K**	

Case Study

Click on the case study images to view detailed pages.

No.	Case study(Japan)		Model Name	
1		Dante-compatible ML-32D contributes to the construction of a new compact office studio	**ML-32D**	HAC STUDIO
2		YURiKA's "Dead Heat - RED vs BLUE" solo live stream recording report	**CG-1800** **CG-2000** **DA-6400**	YURiKA

No.	Case study(Global)		Model Name	
3		KBS introduces the TASCAM DA-6400 as the main recorder in three broadcasting facilities	**DA-6400** **IF-MA64/EX** **TASCAM SSD**	KBS
4		Jim Stern Gets an Earful with DA-3000	**DA-3000**	Jim Stern
5		TASCAM Recording Gear Helps Define the Career of Kenny 'Tick' Salcido	**Model 24**	Kenny 'Tick' Salcido
6		TASCAM Brings Great Sound and Signal Distribution Efficiency to David Crowder's Studio	**ML-16D** **ML-32D** **SERIES 8p Dyna**	David Crowder
7		TASCAM Announces the TASCAM & Tommy Bolan Recording and Guitar Gear Giveaway Contest	**Model 12** **TM-80**	Tommy Bolan
8		Reggae and Dub Producer Ras Sparrow's Production Centers Around the TASCAM Model 12	**Model 12**	Ras Sparrow
9		The TASCAM Mixcast 4 Podcast Station is Central to Producer/Presenter Cristina Gomez' Podcast Work	**Mixcast 4** **TASCAM Podcast Editor**	Cristina Gomez
10		TASCAM Keeps the Music Flowing for Drummer / Percussionist Fredo Ortiz	**Model 12** **SERIES 208i** **SERIES 8p Dyna**	Fredo Ortiz
11		The TASCAM Mixcast 4 Podcast Station is Central to Production of Podfest Podcasts	**Mixcast 4** **TM-70**	Podfest
12		TASCAM Studio Technology Drives Lee Turner's Creative Process	**CG-1000** **SERIES 102i** **SERIES 8p Dyna** **TM-70**	Lee Turner
13		Producer/Recording Engineer Tom Tierney Unifies Production with the TASCAM Model 24	**Model 24**	Tom Tierney Unifies
14		TASCAM Technology at the Heart of Johnny "Juice" Rosado's Recording Activities	**Model 12** **TA-1VP**	Johnny "Juice" Rosado

Case Study

No.	Case study(Global)		Model Name	
15		KUT Radio Finds Success with TASCAM	DA-3000 SS-R250N	KUT Radio
16		In Perfect Harmony: Tascam Sonicview 16 at RTVS Studio, Banská Bystrica, Slovakia	Sonicview 16	RTVS Studio
17		On the Road with PowerHit Radio: The TASCAM Sonicview 16 in a Mobile Broadcast Studio	Sonicview 16 Sonicview 24	PowerHit Radio
18		TASCAM Quality is Central to Larry Dunn's Music Career	Portacapture X8 LM-8ST TA-1VP TH-02, TH-07	Larry Dunn

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5-1 Simple Streaming System for Concerts & Events

Easy Setup

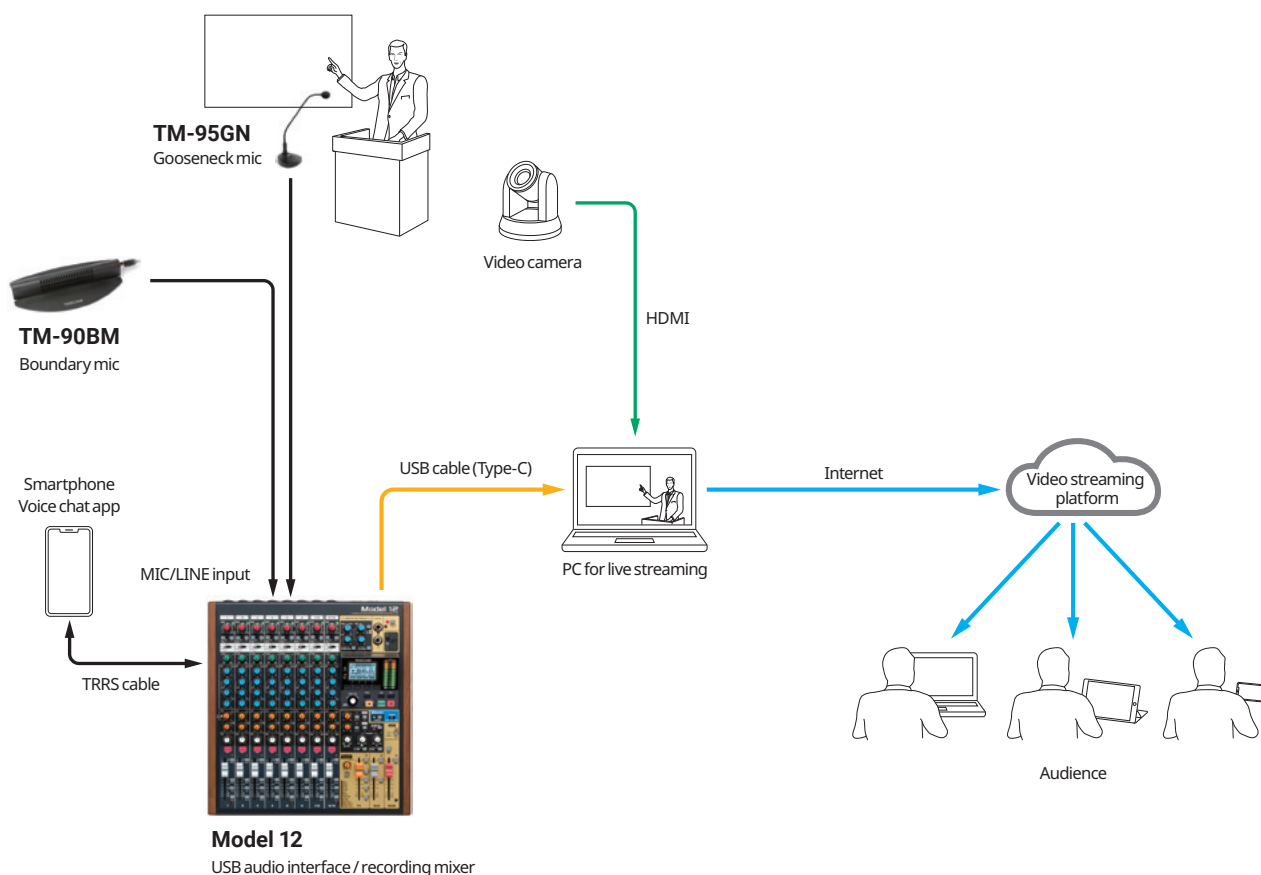**Multi-Channel Backup Recording**

High Quality Audio Capture

Live streaming system that combines the TASCAM Model 12 with distribution software such as OBS.

Using the Model 12's mixer/audio interface function, live streaming audio can be distributed all at once, while multi-track recording is simultaneously supported. In addition, the mix-minus function allows easy recording of guests joining via phone calls.

System Diagram

TM-95GN Gooseneck mic

TM-90BM Boundary mic

Video camera

HDMI

Smartphone Voice chat app

USB cable (Type-C)

MIC/LINE input

TRRS cable

PC for live streaming

Internet

Video streaming platform

Audience

Model 12 USB audio interface / recording mixer

TASCAM Equipment Installed

Product Outline	Model Name	Remarks
Integrated Production Suite	**Model 12**	
Gooseneck condenser microphone	**TM-95GN**	
Boundary condernser microphone	**TM-90BM**	

5-2 Event Distribution at Schools, etc. Using Smartphones
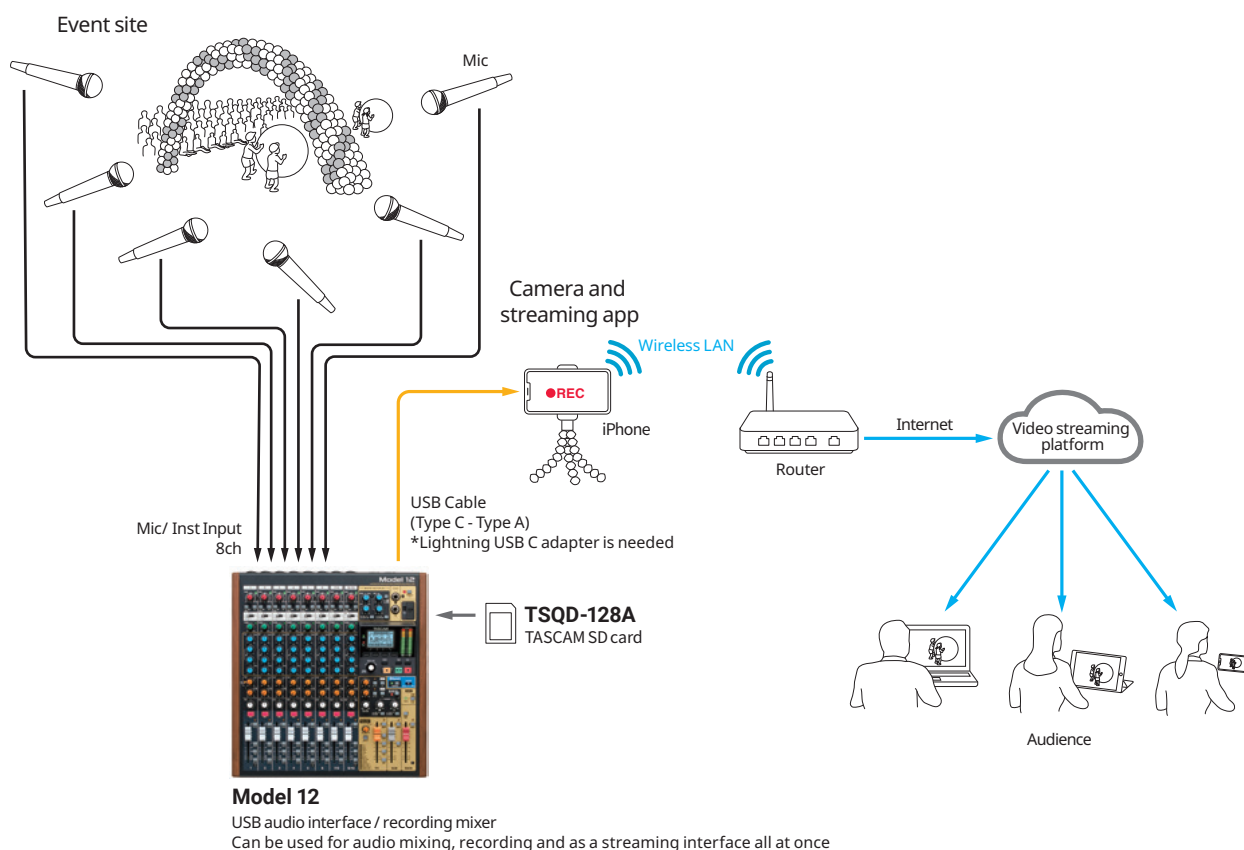
Distribution via iPhone

Simple Wiring

Multi-Track Recording

This distribution system combines the CoreAudio-compatible Model 12 with an iOS/iPadOS device. While high-quality live streaming via YouTube Live, Nico Nico Live, Showroom, Instagram Live, Pococha, 17LIVE, and other iOS-only compatible applications can be easily integrated with the Model series, simultaneous multi-track recording is also possible.

System Diagram

Event site

Mic

Camera and streaming app

Wireless LAN

●REC

iPhone

Internet

Router

Video streaming platform

USB Cable
(Type C - Type A)
*Lightning USB C adapter is needed

Mic/ Inst Input
8ch

TSQD-128A
TASCAM SD card

Audience

Model 12
USB audio interface / recording mixer
Can be used for audio mixing, recording and as a streaming interface all at once

TASCAM Equipment Installed

Product Outline	Model Name	Remarks
Integrated Production Suite	**Model 12**	
TASCAM SD Card	**TSQD-128A**	

Live Streaming

5-3 VTuber Live Game and e-Sports Distribution Events

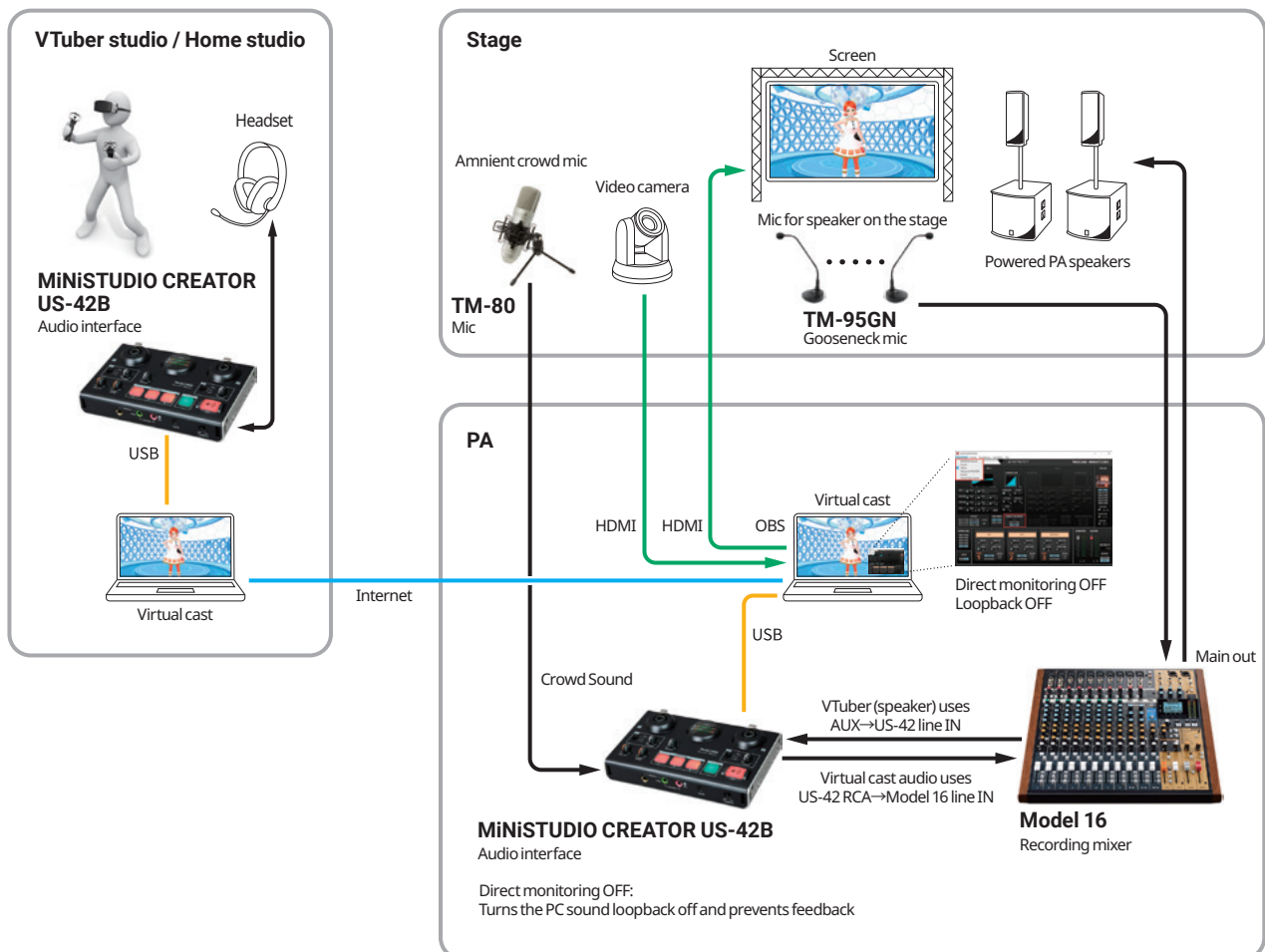| Long-Distance Video Streaming | Multicast Distribution | Multi-Track Recording |

This setup consists of the Model 16 and MiNiSTUDIO CREATOR US-42B to build an audio system for VTubers, gameplayers, etc. in which remote and IRL performers engage in the same space. By turning off the direct monitor function of the MiNiSTUDIO CREATOR US-42, the volume can be adjusted individually without looping each other's audio. Also, by setting up a separate microphone to record the audience at the main venue allows for capturing the ambiance of the performers at the remote location.

System Diagram

VTuber studio / Home studio

Headset

MiNiSTUDIO CREATOR US-42B
Audio interface

USB

Virtual cast

Internet

Stage

Screen

Amnient crowd mic

Video camera

Mic for speaker on the stage

Powered PA speakers

TM-80
Mic

TM-95GN
Gooseneck mic

PA

HDMI HDMI OBS

Virtual cast

Direct monitoring OFF
Loopback OFF

Crowd Sound

USB

Main out

VTuber (speaker) uses
AUX→US-42 line IN

Virtual cast audio uses
US-42 RCA→Model 16 line IN

MiNiSTUDIO CREATOR US-42B
Audio interface

Model 16
Recording mixer

Direct monitoring OFF:
Turns the PC sound loopback off and prevents feedback

TASCAM Equipment Installed

Product Outline	Model Name	Remarks
Audio interface	**US-42B**	
Recording mixer	**Model 16**	
Gooseneck condenser microphone	**TM-95GN**	
Condencer microphone	**TM-80**	

5-4 Live Music Streaming/Archiving

High Quality Audio	Delay Function	USB Audio Interface

Equipped with a Class 1 HDIA mic preamp, 32-bit ADC, and 54-bit float FPGA mixing engine, the TASCAM Sonicview can be used as a mixer for live music streaming. All master modules have a delay function that can be set up to 341ms, making it easy to sync video and audio. In addition, 2mix audio can be sent directly to a PC via the unit's USB audio interface to sync video without loss of sound quality. The SB-16D Dante stage box (16-in/16-out) allows for easy expansion of inputs, and the 32-channel multi-track recording card IF-MTR32 can be installed in the expansion slot to enable multi-track recording and live streaming. This can useful for archival distribution, BD/DVD sales, and other content reuse.

System Diagram
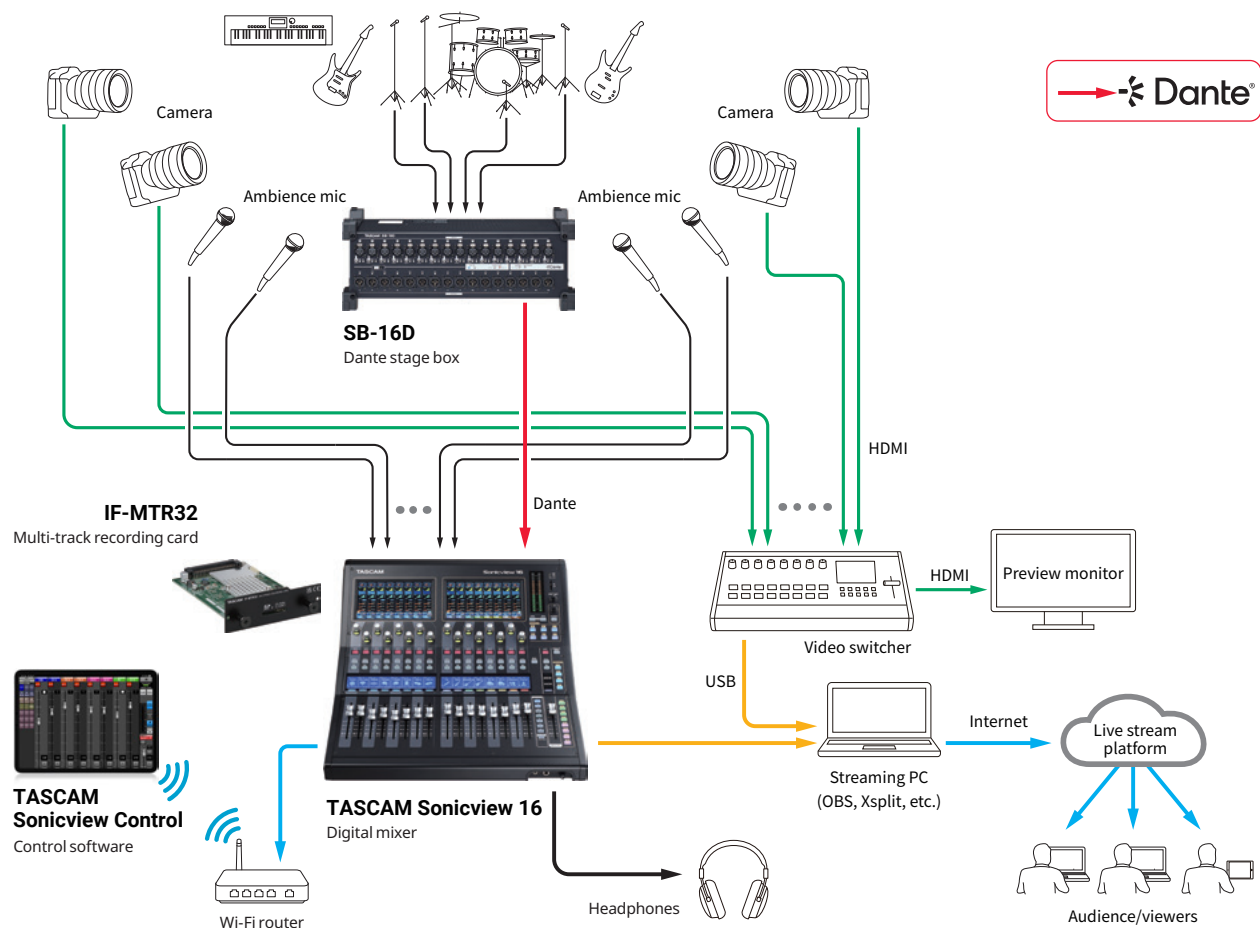
TASCAM Equipment Installed

Product Outline	Model Name	Remarks
Digital mixer	**TASCAM Sonicview 16**	
Dante stage box	**SB-16D**	
32ch multi-track recording card	**IF-MTR32**	
Control software	**TASCAM Sonicview Control**	

Case Study

Click on the case study images to view detailed pages.

No.	Case study(Japan)		Model Name	
1		TASCAM sponsors technical support and equipment for Voicy Fes'21	**iXZ** **Mixcast 4** **Model 12**	Voicy Fes'21
2		Mixcast 4 used in PRONEWS Radio DX@ Inter BEE 2021	**Mixcast 4** **TM-70** **TM-AM2**	PRONEWS Radio DX
3		Mixcast 4 as a mixer HOTSHOT DX jam YouTube live streaming (Inter BEE 2021)	**Mixcast 4** **TM-70**	HOTSHOT DX Jam
4		Live Streaming of School Events and Commemorative Ceremonies	**Model 16**　　**Portacapture X8** **TM-90BM**　**VS-R265**	School event
5		Model 24 and Model 16 as mixers for "George Yanagi Memorial Live" live stream	**Model 16** **Model 24**	George Yanagi
6		YURiKA's "Dead Heat - RED vs BLUE" solo live stream recording report	**CG-1000** **CG-1800** **CG-2000** **DA-6400**	YURiKA

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Live Streaming

Case Study

Click on the case study images to view detailed pages.

No.	Case study(Global)		Model number	
7		TASCAM MiNiSTUDIO Delivers Broadcast Sound for Gaming on Tap Podcast	**MiNiSTUDIO CREATOR US-42**	Gaming on Tap
8		MiNiSTUDIO US-42 Key for Colon Cancer Podcast	**MiNiSTUDIO CREATOR US-42**	Colon Cancer Podcast
9		All Things Post Podcasts with MiNiSTUDIO Creator	**MiNiSTUDIO CREATOR US-42**	All Things Post
10		Podcasters rAVe About MiNiSTUDIO at InfoComm	**MiNiSTUDIO CREATOR US-42**	InfoComm 2016
11		The TASCAM VS-R265 4K/UHD Streamer/Recorder Helps Del Castillo Livestream Globally	**VS-R265**	Del Castillo
12		The TASCAM Model 12 is Central to Michael Sandoval's Audio/Livestreaming & Video Production	**Model 12**	Michael Sandoval
13		TASCAM's Mixcast 4 Podcast Station Makes An Important Impact in Education	**Mixcast 4**	Impact in Education
14		TASCAM is at the Heart of Nicki Sun's Creative Efforts	**Mixcast 4** **TM-70**	Nicki Sun
15		TASCAM's Mixcast 4 Podcast Station is Central to Production of The Dark Side of the Cooks	**Mixcast 4** **TM-70**	Dark Side of the Cooks
16		TASCAM's Mixcast 4 Podcast Station Helps Howard Olsen Educate and Inspire	**Mixcast 4**	Howard Olsen

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Main product information

・Click the Model Name to see the specifications on our website.
・Some products may not be available depending on your country, region, distributor, etc.

Rack mountable products

Mode Name	Unit	Depth (mm)	Weight (kg)	Power Consumption (W)
BD-MP1MKII	1U	280.7	2.64	30
BD-MP4K	1U	280.7	2.78	30
BO-16DX/IN	1U	54.5	0.9	-
CD-200	2U	298	4.2	7
CD-400U	1U	300.5	3.2	20
CD-6010	2U	303	4.9	12.5
CG-2000	1U	299	3.3	14
DA-6400	1U	304.8	3.9	21
DA-6400dp	1U	304.8	4.0	21
MA-BT240	1U Half rack	298	2.45	58 *1
MH-8	1U	280	3.8	36
ML-16D	1U	303.8	3.3	14
ML-32D	1U	303.8	3.5	22
ML-4D/OUT-X	1U Half rack	136.1	0.863	4
MM-2D-E	1U Half rack	136.1	0.878	6
MM-2D-X	1U Half rack	136.1	0.878	6
MM-4D/IN-X	1U Half rack	136.1	0.885	7.5
MX-8A	1U	304.1	3.0	21
MZ-123BT	1U	274.8	3.0	25
MZ-223	2U	93.2	2.5	35
SB-16D	3U	120 *2	4.5	44
SS-CDR250N	1U	300.5	3.2	22
SS-R250N	1U	300.5	2.9	20
202MKVII	3U	285.8	5.4	14

*1 18W when idle
*2 Rack-mounted size. Depth size is 140mm with standard foot.

Model series

Model Name	Size W×H×D (mm)	Weight (kg)	Power Consumption (W)
Model 12	343 × 98.8 × 360	4.3	16
Model 16	430 × 112.9 × 463	7	40
Model 24	577 × 106 × 529	10.4	52

Sonicview series

Model Name	Size W×H×D (mm)	Weight (kg)	Power Consumption (W)
Sonicview 16	472.0 × 228.1 × 554.4	13	65
Sonicview 24	690.8 × 228.1 × 554.4	18	85

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