



HDE Series

Meet Recording System

MEET RECORDING INTRODUCTION



MEET RECORDING SYSTEM (MRS) IN CLASSROOM TEACHING AND LEARNING

The Meet Recording System (MRS) is an integrated solution combining multiple devices into a single ecosystem designed to enhance efficiency and improve the overall teaching and learning experience.

KEY FEATURES

Recording

- Records all classroom activities during the teaching and learning process.
- The recorded content typically includes:
- Student Tracking Camera – Captures student activities during lessons.
- Teacher Tracking Camera – Tracks and records the teacher's movement and teaching process.
- Content Input Recording – Records presentation slides or teaching content displayed via the teacher's IFP or laptop.

Streaming

- Streams classroom sessions via RTSP, RTMP, or RTMPS protocols.
- Supports live broadcasting to platforms such as YouTube, Facebook Live, or the school's website.

Storage

- Stores recordings locally via internal storage or externally via FTP.
- Supports integration with school storage servers or cloud platforms for secure backup and easy access.

MEET RECORDING SYSTEM INTRODUCTION

The Meet Recording System (MRS) seamlessly records classroom sessions across offline, online, and hybrid learning environments. It ensures that both audio and visual content are thoroughly captured and properly documented, providing a reliable reference for teachers, students, and administrators in the future.

BENEFITS

Enhanced Learning Accessibility

- All teaching content, including presentations, whiteboard notes, and verbal explanations, is recorded.
- Recordings can be shared with students to review lessons anytime, enabling better understanding and self-paced learning.

Effective Hybrid & Online Learning

- Teachers are no longer limited to sitting in front of a laptop camera.
- Using MRS's multi-camera templates, students can simultaneously view the presentation slides and whiteboard content for a more dynamic learning experience.

Teacher Performance Improvement

- Teachers can review their own recorded sessions to evaluate and enhance their teaching techniques.
- Similarly, teachers can observe student behavior during classes, improving classroom management and teaching strategies.

Administrative Oversight

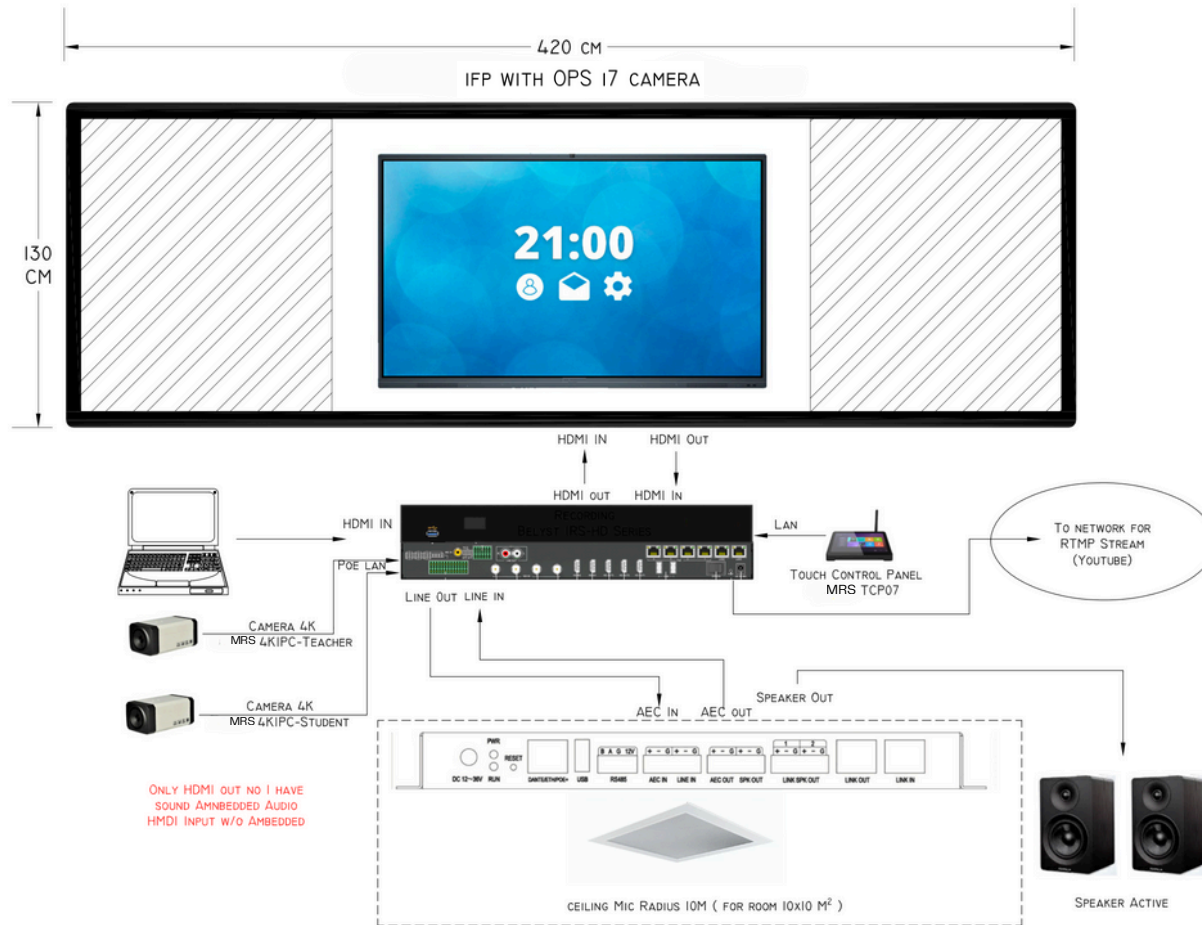
- School principals and administrators can access classroom recordings to evaluate teacher performance and assess students' learning progress more effectively.

Simplified System Integration

- MRS integrates multiple hardware and software components into a centralized control system.
- Teachers can easily manage cameras, recordings, and streaming without complex setups.



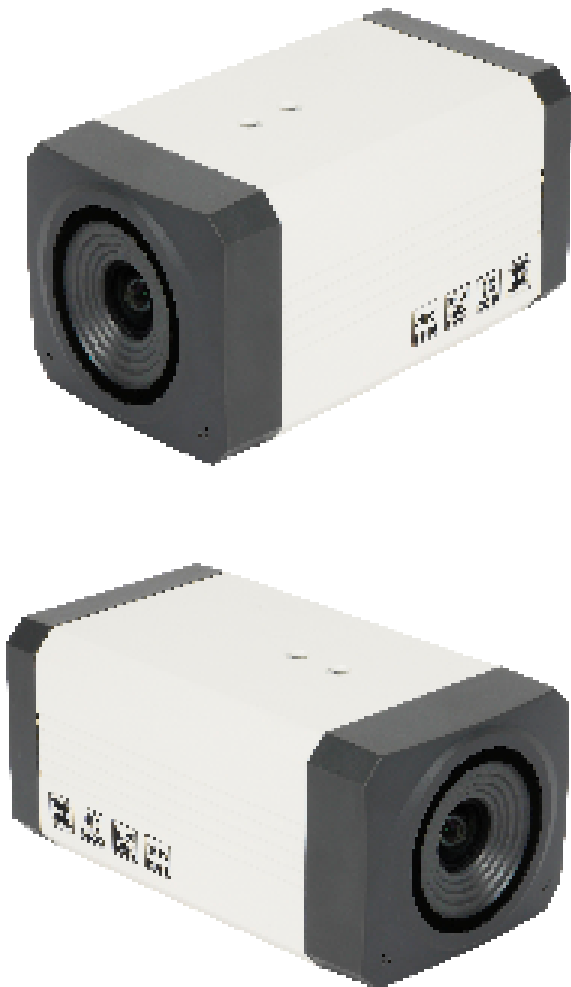
MEET RECORDING SYSTEM INTRODUCTION



MRS Standard System with 3200 ceiling mic

HOW THE MEET RECORDING SYSTEM WORKS

The Meet Recording System (MRS) integrates multiple components to create a seamless and efficient teaching and learning experience. The teacher's laptop or Interactive Flat Panel (IFP) displays teaching materials through an HDMI connection, while teacher and student tracking cameras capture real-time classroom activities. A ceiling microphone ensures clear audio pickup from both teachers and students. All video, audio, and presentation inputs are processed and combined by the Recording Hub into a unified stream. The system supports live streaming via RTSP, RTMP, or RTMPS and allows recorded sessions to be stored locally, uploaded to the school's server, or saved to the cloud for future access. Finally, the active speakers deliver enhanced and amplified audio, ensuring a clear and immersive classroom learning experience.



Product Name	4k Tracking Camera
Model	MRS-4KIPC-T/S
Image Sensor	1/2.8 inch CMOS, 8.46 million pixels
Scanning Method	Progressive
Lens Mount Type	M12
Lens 1 Focal Length	f=8.2mm, horizontal field of view: 40°
Minimum Illumination	0.5 Lux @ (F1.8, AGC ON)
Electronic Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, Specified Color Temperature
Digital Noise Reduction	2D, 3D digital noise reduction
Backlight Compensation	Support
EPTZ	Support
Auto Focus	Support
Digital Zoom	8x
PoE Power Supply	Support
Lens	Tracking Mode

Product Name	Intelligent Recording Server (MRS-IRS-HD07)
Video Input	Multiple video sources supported, up to 6 video sources. Included lecturer close-up, podium panorama, listener
Supported Video Input Resolution	SDI IN: 720p@50@60, 1080p@25@30 (Reserved if work with 4K-HD IP Cameras)
Video Output	2*HDMI out
Supported Video Output Resolution	HDMI OUT resolution: 1080p@50@60 Recording video resolution: 320180, 480270, 640360,
Video Encoding	H.264 High Profile
Frame Rate	25fps, 30fps
Recording File Size	300MB/h, 500MB/h, 600MB/h, 800MB/h, 1000MB/h, 1500MB/h, 2000MB/h, 2500MB/h, 3000MB/h, 3600MB/h
Audio Encoding	AAC-LC
Audio Bit Rate	128Kbps
Audio Sample Rate	48KHz
Tracking Way	Work with auxiliary positioning camera
File Format	Movie mode & Resource mode
Network Port	6* RJ45 (include 4 POE port)
Storage	1TB / 2TB / 4TB / 8TB (optional), default 2TB
Power	DC 48V
Dimensions	430mm * 335mm * 44.5mm (LWH)





Product Name	Touch Control Panel (MRS-TCP07)
Operation System	Android
CPU	4 core 1.8GHz
Storage Capacity	32GB
Memory Capacity	2GB
Storage Type	SSD
Screen Size	7 inches
Display Resolution	1280×800



Product Name	MRS-3200 Microphone
Key Features	- 32-microphone array for wide-area sound pickup - Automatic beamforming - AI noise reduction - 3D sound source localization - Dante protocol support - Supports up to 10-device cascading
Audio Performance	- Pickup Distance: up to 20m - Frequency Response: 75Hz – 16kHz - Noise Reduction: ≥30dB - Echo Cancellation: ≥90dB - Delay: <20ms
Connectivity	- Dante/Eth/PoE+ port - USB (firmware upgrade) - RS485 interface - AEC IN / AEC OUT - Line IN / SPK OUT - Link SPK Out & Link Out for cascading
Power Supply	DC 12V ~ 36V
Dimensions	350 × 350 × 42 mm
Weight	1.4 kg
Applications	Video conferencing, meeting rooms, auditoriums, universities, interactive audio systems