



MAXHUB Capture System

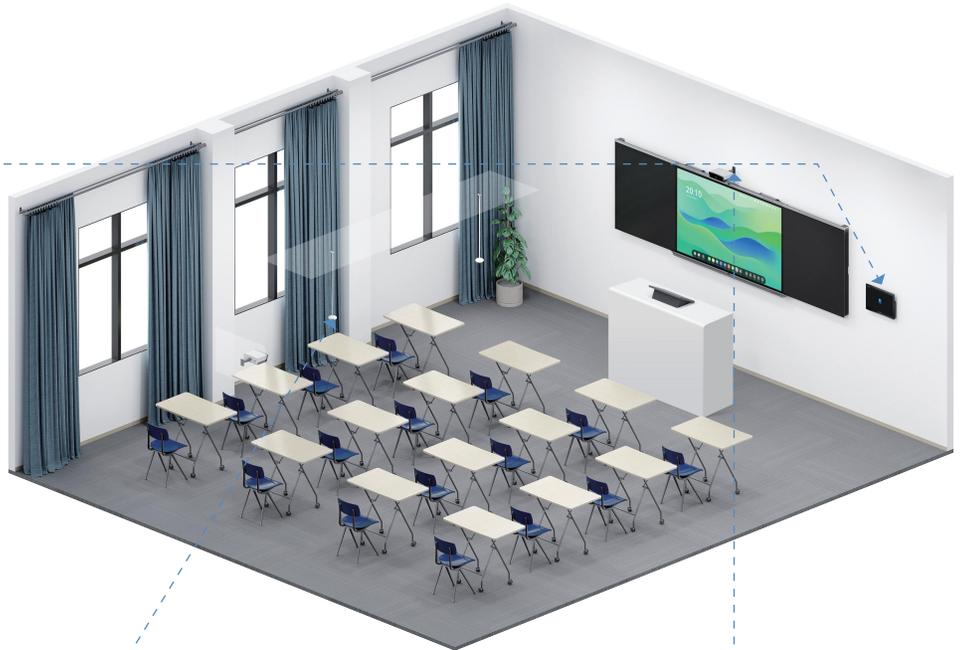
The MAXHUB Capture System was designed to aid in collecting and sharing high-quality educational resources.



CSP20 Capture Host

This host unit offers seamless integration of local capture, remote real-time interaction and live streaming.

-  Professional multi-image director
Record six-channel videos simultaneously
-  Multi-Touch
15.6" FHD capacitive screen
-  1TB of Storage capacity
Record up to 1000 lessons



CM20 Omnidirectional Microphone

The CM20 microphone ensures comprehensive and high-definition voice pickup from both teachers and students, covering a 360° range.

-  Double Microphone Synergy
Dual-mic for comprehensive audio coverage
-  Ultra-Wide Pick-Up Range
6-array microphone with pickup radius of over 8m
-  Built-in Audio Algorithms
Automatic gain control, noise reduction, and echo cancellation.



EW20T/EW20S 4K Camera

Our 4K camera offers dual UHD image outputs from a single unit, intelligently switching between close-up and panoramic views.

-  Intelligent switching
Single camera with dual viewing options
-  High Resolution
1/2.8" CMOS, 8M Pixel, UHD image
-  AI tracking
Built-in automatic tracking algorithm



1

IFP courseware



2

Teacher panoramic view



3

Teacher close-up view



4

Student panoramic view



5

Student close-up view



Enhance teaching insights

Remote observation

The MAXHUB Caster software provides valuable insights into teaching methods and student engagement.

Remote management

Offering the convenience of controlling power, monitoring devices, and seamlessly uploading videos.



User-friendly setup and control

Local device deployment

All devices transmit data through the local area network, eliminating the need for expensive server and storage equipment.

Versatile device control features

Director mode, video clarity adjustments, and volume control, all within a user-friendly operating system.



CSP20 Capture Host

Display

Display Size (inch)	15.6
Brightness	250 nits
Resolution	1920 × 1080
Glass	7H Tempered
Screen Type	Capacitive touch screen
Touch Point	10 Points touch

Operating System

System	Linux
CPU	ARM dual-core processor
RAM	2GB
Storage	1TB SATA
Mean time between failures (MTBF)	≥250,000 Hours

Video

Video Recording Resolution	4K, 1080p, 720p, VGA, QVGA
Video Recording Format	MP4
Multi-Channel Recording	Up to 7 channels
Live Streaming Channel	Up to 3 RTMP channels
Live Streaming Resolution	1080p, 720p, VGA, QVGA



EW20T/EW20S 4K Teacher/Student Camera

Camera

Sensor Type	1/2.8 inch, CMOS, 8.46 million pixels
Scanning Method	Progressive
Teacher Camera	Focal length: f=7.2mm, Horizontal FOV: 42°
Student Camera	Focal length: f=2.8mm, Horizontal FOV: 95°
Auto Focus	Supports
Minimum Illumination	0.5 Lux @ (F1.8, AGC ON)
Electronic Shutter	1/30s ~ 1/10000s
White Balance	Auto, indoor, outdoor, one-touch, manual, specified color temperature
Digital Noise Reduction	2D, 3D digital noise reduction
Backlight Compensation	Supports
EPTZ	Supports
Digital Zoom	8x
PoE Power Supply	Supports
Teaching Auto	Teacher mode /
Tracking Function	Student mode



CM20 Omnidirectional Microphone

Microphone

Quantity	6-Array microphone
Voice Pickup Range	Pickup radius ≥ 8m
Type	Omnidirectional microphone
Frequency Range	20Hz ~ 20kHz
Signal-to-Noise Ratio	≥ 65dB
Sound Pressure Level	≥ 132dB SPL (10% THD @ 1KHz)
Audio Algorithm	Automatic gain; Automatic mixing; Automatic noise reduction; Anti-Reverberation; Echo cancellation; Howling cancellation

Operating System

Operating System	Linux
DDR Capacity	64MB
Flash Capacity	8MB
I/O Port	
USB Type-C	×1
(for upgrade and debug)	
MIC OUT	×1