






# 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



Online Course

Live Streaming



## 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