

TC-04



supports MAX 4 signal inputs, include 3 HD video sources and 1 PC presentation. It integrated auto-tracking, auto-switch & recording features, can auto tracking teacher's movement, detect the signal source change and auto-switch the image between all signals.

TC-04 can works with video conference system, to achieve distance Learning, it specialized for classroom's recording solution in education market.

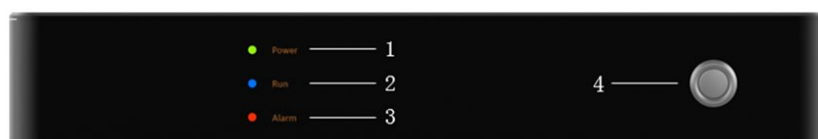
Features:

- ☐ Multiple video sources supported, up to 4 video sources
Include teacher close-up, podium panorama, student panorama and presentation from PC, totally 4 video sources.
- ☐ Advanced auto tracking technology
With image recognition and multiple frames comparison technology, system can work out the position and detect teacher's motion, then can easily auto tracking teacher's movement without wear any infrared device.
- ☐ Support 4K panoramic capture camera (IP)
can support 4K panoramic capture camera HD-951LWP, it's more flexible to meet different customer needs.
- ☐ Exclusive video signal auto-switching technology
Switching between different signals, recording teaching activities naturally.
- ☐ Support UVC output
TC-04 with UVC port, can support output video, and very easy to integrate with 3rd devices and system.
- ☐ Support simultaneous recording of high and low bit rate video

Specifications:

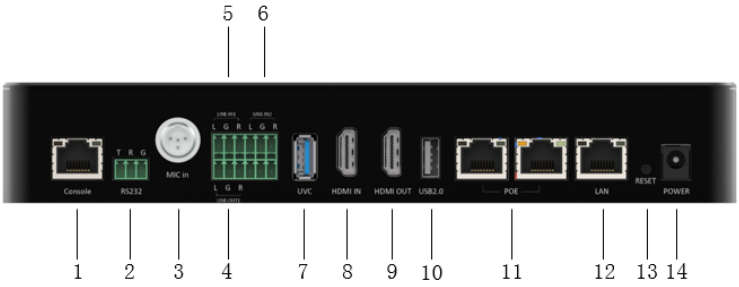
Product Name	TC-04
Operation System	Linux OS
Video Input Resolution	1024*768,1280*720,1366*768,1440*900,1920*1080
Video Output Resolution	1080P@50,1080P@60
Video Encoding	H.264 High Profile
Frame Rate	25fps, 30fps
Recording File Size	HD: 256 MB/h, 512 MB/h, 1000 MB/h, 1500 MB/h, 2000 MB/h, 2500 MB/h, 3000 MB/h, 3600 MB/h SD: 32 MB/h, 64 MB/h, 128 MB/h, 256 MB/h, 512 MB/h, 1024 MB/h, 2048 MB/h
Audio Encoding	AAC-LC
Audio Bit Rate	128Kbps
Audio Sample Rate	48KHz
Director Mode	One scenes / Two scenes
Tracking way	Build-in auxiliary positioning camera in 4K panoramic capture camera
File Format	Mp4
Language	English, Chinese
Storage	128GB
Power	DC 48V
Dimensions	245mm×150mm×41mm
Weight	1.5Kg
Relative Humidity	5% to 85%
Working Temperature	-10°C to 55°C
Storage Temperature	-20°C to 70°C

Front Panel:



No.	Component	Statement
1	Power	Power status light
2	Run	System running status light.
3	Alarm	System alarm status light
4	Power button	Power switch

Rear Panel:



No.	Connector	Statement
1	Console	Control port, for CL-X4 control panel
2	RS232	RS232 for 3 rd central control system
3	MIC IN	MIC in
4	LINE OUT	Line out
5	LINE IN 1	Line in 1
6	LINE IN 2	Reserved
7	UVC	UVC out for 3 rd devices or systems
8	HDMI IN	HDMI input, for PC signal input
9	HDMI OUT	HDMI output
10	USB2.0	USB2.0 port
11	POE	RJ45 POE port for 4K camera connection
12	LAN	LAN network port
13	Reset	System reset button
14	Power	DC power input

4K Panorama Camera (HD-951LWP)

(Build-in auxiliary positioning feature)



Ports information:

No.	Connector	Statement
1	POE	RJ45 POE port
2	Reset	Reset button
3	Audio OUT	Audio OUT
4	Audio IN	Audio IN
5	SDI	SDI video input
6	Power	DC power in

Specifications:

Image sensor	1/2.3" Progressive Scan CMOS
CMOS MAX resolution	3840 × 2160
Sensor effective pixels	800W
Video format	4K@30 (3840 × 2160), 1080P@30, 720P@30
Video output	MAX 1080P for live and record
Variable Gain	Digital gain -30dB-23.9dB
Minimum illumination	0.001 Lux @(F1.2, AGC ON)
Video Encoding	H.265/H.264
Bit Rate	128kbps ~ 30Mbps adjustable
Audio Encoding	AAC 32K/48K
Video output	RJ45, with PoE
Power Input	DC 12V, 1A
Power Dissipation	6W Max
Color	White & Black
Working Temperature	-10 ~ 60°

CL-X4 Control Panel



Specifications:

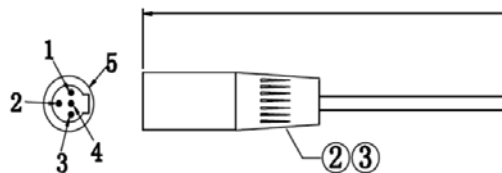
Product Name	CL-X4
Resolution	800x480
Backlight mode	LED
brightness	250nit
Protection level	IP65
Connector	8 Pin_3.81mm phoenix port
SD card slot	Micro SDHC (TF) card / FAT32 format
Serial port	RS485/RS232
Dimensions	210mm (W) × 150mm (H) × 26.9mm (T)
Weight	500g
Power input	7-36V / 80-230mA
Relative Humidity	10% to 85%
Working Temperature	-10°C to 55°C
Storage Temperature	-20°C to 70°C

ACM14 Omnidirectional Microphone



Specifications:

Product Name	ACM14
Sensor type	Silicon wheat
Directivity	Omnidirectional
Frequency response	100Hz-16kHz
Sensitivity	-38±2dB (0dB=1V/Pa@1kHz)
Signal to noise ratio	75dB
AOP	124dB
Dynamic Range	104dB
Maximum output level	3dBu
Output connector/cable	4-pin mini canon female head
Power input	12V
Relative Humidity	10% to 85%
Working Temperature	0°C to 45°C
Storage Temperature	-20°C to 70°C



Ports information:

No.	Connector	Statement
1 Pin	VCC_12V	DC 12V power in
2 Pin	GND	Power reference ground
3 Pin	LINE OUT	Audio OUT
4 Pin	GND	Audio signal reference ground