



AVer DL30 training



AVer DL30 追蹤攝影機 教育訓練 影片連結



- <https://youtu.be/B5ThAUJbq7k>



User Scenario-Tripod



User Scenario-Ceiling Mount(back of room)

Ver

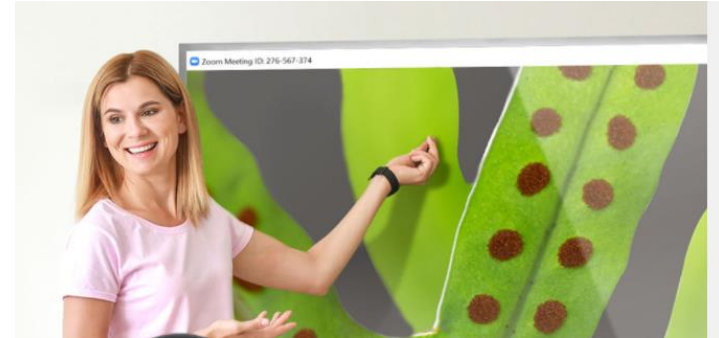




Key Features

-The USB tracking camera built for K-12 classroom.

1. 12X optical zoom
2. Designed for K-12 (e.g. privacy, sleep mode)
3. Robust AI auto tracking: presenter, zone tracking(*More to come: Hybrid mode)
4. High performance in low light scenarios with Wide Dynamic Range
5. Multiple camera control and management by AVer PTZ Management software
6. Affordable price
7. 3 year warranty

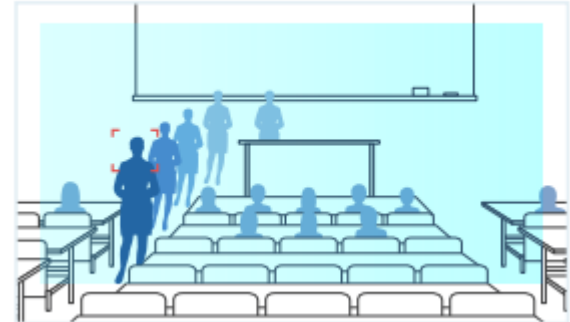




Powerful AI Tracking (Human detection)

1. Presenter Tracking

- Upper or Full Body
- Automatic operate
- Smoothly focus on presenter
- Low interference





Presenter Tracking

Presenter Tracking setup

Step 1: Tracking on

Step 2: Choose Upper of Full

Step 3: Switch tracking target if needed.

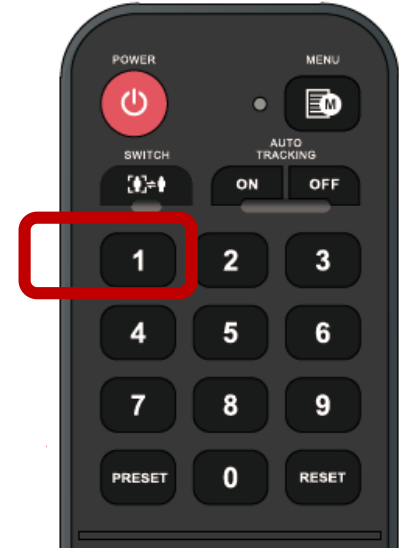




Presenter Tracking

Tracking Point setup

- When camera lost target, it will go back to tracking point;
- Set up Preset 1 to work as your tracking point;
- If Preset 1 is not set up, tracking point will be Home position.

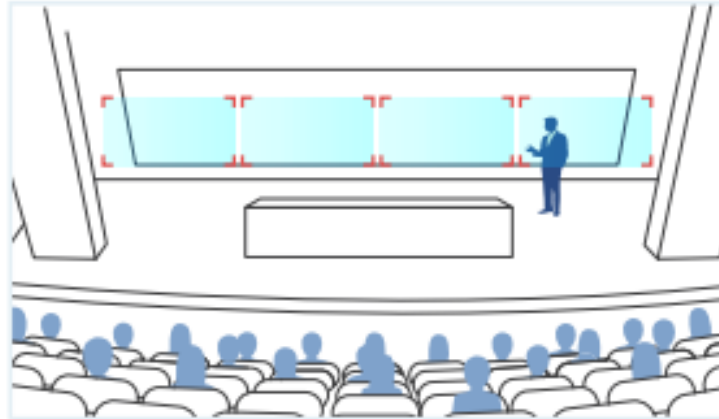




Powerful AI Tracking (Human detection)

2. Zone mode

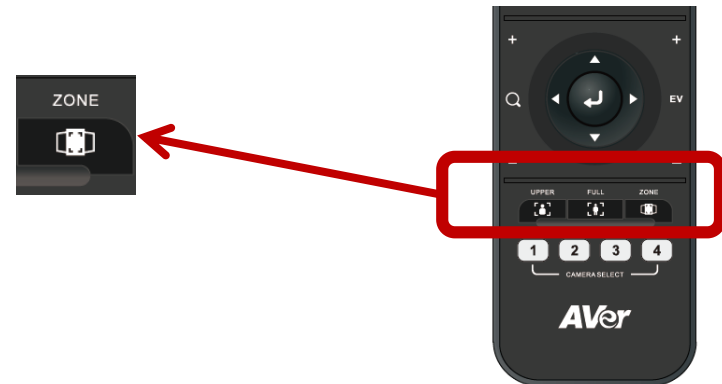
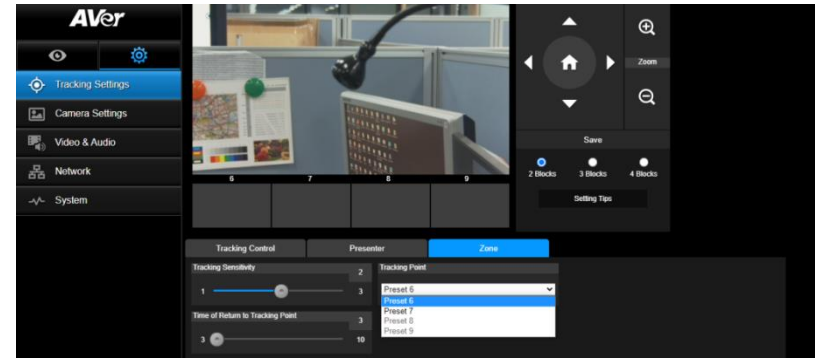
- Create video focused on Content in Preset Zones





Zone Tracking

- Zone mode setup(Web/CaptureShare)
- Zone mode switch





Preset setup

1. Preset point:

- 10 on remote control
- 256 on IP/USB

2. Preset point setup

a) press **“Preset”** + **“Number button (0~9)”**

simultaneously, or

b) hold **“Preset”** then press **“Number button (0~9)”**.





Privacy Mode



Privacy mode

1. Camera head parks at -90° when Privacy mode is on. LED indicator is solid orange.
2. Short press Power to turn on or off privacy mode.





Sleep Mode

Sleep mode

1. Default: Sleep mode off.
2. Turn sleep timer on in CaptureShare or Web page.
3. After timer is set, camera enters sleep mode when no IP or UAC/UVC streaming.
4. Camera head parks at -90° and -170° when Sleep mode is on. LED indicator is solid orange.
5. Short press Power on remote or get streaming back will awake camera.





Specification

Camera Spec	
Sensor size	1/2.8" 1080p Low Lux CMOS
Pixel	2MP
TV line	800 (center/wide)
Output resolution	HDMI: No
	USB:1080P60(max)
	RTSP:1080P60(max)
Focal length	f = 3.9 ~ 46.8 mm
Iris	F=1.6(wide) ~ 2.8(tele)
Optical zoom	12X
Sensor zoom	No
Digital zoom	2X
Total zoom	24X
D FOV	84.1°(Wide)~7.8°(Tele)
H FOV	76.5° (Wide) ~ 6.8° (Tele)
V FOV	47.3° (Wide) ~ 3.8° (Tele)
Minimum illumination	0.5 Lux (IRE50, F1.6, 30fps)
Minimum working distance	Wide 0.3 m, Tele 1.5 m
Focus	Auto/Manual/One Push
White balance	Auto/Manual
Gain	Auto/Manual
Shutter speed	1/4 s to 1/10,000 s(60Hz)
	1/3 s to 1/10,000 s(50Hz)
BLC(Back Light Compensation)	No
Exposure	Auto, Manual, WDR
Noise reduction	2D/3D NR
Frequency	50Hz & 60Hz
S/N ratio	≥50dB
Image effect	Mirror/ Flip/WDR
WDR(Wide Dynamic Range)	Yes

Parameter	
Pan angle	-170°~+170°
Tilt angle	-90°~+90°
Pan control speed	1°~ 90°/sec
Tilt control speed	7.85°~ 45°/sec
Preset speed	Pan: 120°/sec
	Tilt: 110.84°/sec
Preset number	10 locations by remote,
	256 via IP/USB
	IP Streaming
Resolution(Max)	1080P(60PFS)
Video compression	H.264.MJPEG(Web Page)
Audio compression	AAC
Protocol	IPv6,IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, RTP/RTCP, RTSP, RTMP, VISCA over IP
NDI protocol	No
SRT protocol	No
Audio input	Yes(Mic/Line in)
Bitrate	512Kbps ~ 32Mbps
Bitrate control mode	VBR/CBR
	2(UVC+Web page), 2(RTSP+Web page),
Multi-stream capability	MAX: 1080P60
	2(UVC+RTSP), MAX:1080P30
Sample rate	48/32/16/8Khz

**Specifications are subject to change without prior notice.*



Specification



	I/O Interface
Video output	IP, USB
Audio output	IP, USB
Audio input	MIC in/ Line in
Baud rate	No
Control interface	IP, USB
Control protocol	VISCA(IP), CGI(IP), USB
Network interface	10/100 Base - T
USB	3.0
PoE+	PoE+ (IEEE802.3at)
Power Requirements	12V
	USB
Connector	USB 3.1 Gen1 Type B, backward compatible with USB 2.0
Video format	MJPEG, YUY2
Resolution(Max)	1080P
Video class	UVC 1.1
	Audio
Audio class	UAC 1.0
Channel	2ch (stereo)
Codec	AAC, PCM
Sample rate	AAC(48/32/16/8Khz) · PCM(48Khz)


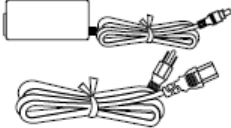







	System
IR remote control	Yes
Tally	No
Kensington lock	Yes
Power consumption	12W
Operating temperature	0°C ~ +40°C
Operating humidity	20%~80%
Storage temperature	-20°C ~ +60°C
Storage humidity	20% ~ 95%
Dimensions	W158*D162*H200mm
Net weight	1.617±0.1kg (3.562 lbs)
Application	Indoor
Package	Remote Control, Power Adapter & Power Cord, , USB Cable, Quick Start Guide, Cable Fixing Plate (x1) , Cable Ties (x4), M2 x 4mm Screw (x2) , 1/4"-20L=7.5mm Screw (x1), User Manual(Only for JP) , Warranty Card(Only for JP)
Optional accessory	1. Wall Mount(Wall mount bracket (x2), M4x8mm Screw (x2), 1/4"-20L=7.5mm Screw (x1), Wall Mount Kit Installation Guide_ENG) 2. Ceiling Mount(Ceiling mount bracket(x2), M3x6mm Screw (x3), 1/4"-20L=7.5mm Screw (x3), Ceiling Mount Kit Installation Guide_ENG)
Warranty	Camera : 3 years Accessories : 1 year
	Tracking
Mode	Presenter, Zone
Mechanism	Human Detection(Upper of Full Body)

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Package

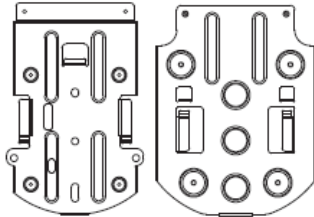
Package Contents

Camera Unit	Power Adapter & Power Cord	Cable Fixing Plate	Cable Ties (x4)
			
M2 x 4mm Screws (x2)	Quick Start Guide	Remote Control	USB Cable
			
1/4"-20, L=7.5mm Screw			
			



Optional Accessory

- **Ceiling Mount**



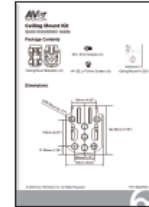
Ceiling Mount Brackets (x2)



M3 x 6mm Screws (x3)

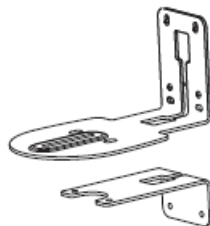


1/4"-20, L=7.5mm Screws (x3)



Ceiling Mount Kit QIG

- **Wall Mount**



L - Mount Brackets



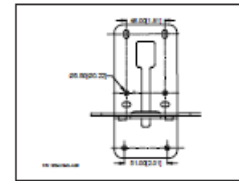
M4 x 8mm Screws (x2)



1/4"-20, L=7.5mm Screw (x1)



Wall Mount Kit QIG



Drilling Paper



THANK YOU

	AVer DL30(12X)	AVer Cam520pro PoE	AVer Cam520 pro	AVer PTC310	Aver PTZ310(3G-SDI)
Frame rate	60 fps	60 fps	60 fps	60 fps	60 fps
Pixel	2M	2M	2M	2M	2M
Zoom	Total 24X(12X optical, 2X digital)	18X total zoom (12X optical zoom)	18X total zoom (12X optical zoom)	Total 288X(12X optical, 2X sensor, 12X digital)	Total 144X(12X optical, 12X digital)
FOV(H)	76.5°(H)	82°	82°	73.1°(H)	73.1°(H)
Video Resolution	1080P(60PFS)	1080P(60PFS)	1080P(60PFS)	1080P(60PFS)	1080P(60PFS)
Presenter Tracking	Yes	No	No	Yes	No
Zone Tracking	Yes	No	No	Yes	No
SmartFrame	No	Yes	Yes	No	Yes
Pan/Tilt Angle	Pan: -170°~+170° Tilt: -90° ~+90°	Pan: ±170° Tilt: +90°~-30°	Pan: ±170° Tilt: +90°~-30°	Pan: ±170° Tilt: +90°~-30°	Pan: ±170° Tilt: +90°~-30°
Audio in	Yes(Mic in, Line in)	x	x	Yes(Mic in, Line in)	Yes(Mic in, Line in)
Interface	PoE+, Audio in, USB 3.0(Type B), DC Power Jack	DIP switch, HDMI, USB, RS232 in/out, DC 12V, PoE+	USB, RS232 in/out, DC 12V, PoE+	PoE+, USB, RS232, HDMI, RS422, Audio in	PoE+, USB, RS232, HDMI, RS422, Audio in, 3G-SDI
Control Protocol	VISCA, CGI, USB	VISCA, USB	VISCA, USB	VISCA, CGI, USB	3G-SDI, VISCA, CGI, USB
ASP	\$630(*Actual price depends on different regions.)	\$973.00	\$759.00	--	\$1,722.00
Warranty	3 yrs	3 yrs	3 yrs	3 yrs	3 yrs