



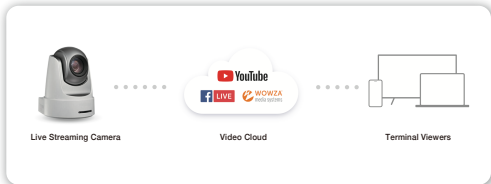
## **HD Robotic Auto-Tracking Streaming PTZ Camera**



LiveTracker 2 is a unique pro-quality versatile all-in-one auto-tracking camera, designed for live event broadcasting applications. It captures HD1080P video, encoding to IP network, and streaming directly to video platforms, like YouTube, Facebook, Wowza, etc.



## Live Streaming Camera



## Outstanding Features

- HD 1080P @ 30fps H.264 IP encoding
- 20x optical zoom (4.7-94mm lens)
- Smart tracking triggered by manual/intrusion detection/line crossing events
- Support face detection
- Support HD-SDI / YPbPr / HDMI output, up to 1080P @ 60fps (DVI-D to YPbPr/HDMI adapter is required and sold separately)
- 360° endless pan and -30° to 90° tilt range
- $\pm 0.1^\circ$  High accuracy PTZ preset / patrol / pattern
- Support power-off memory and park action
- Built-in G-sensor for auto flip
- DWDR, EIS (electronic image stabilization), HLC
- 1 audio input and 1 audio output
- Support on-board storage with SD card
- POE / Wi-Fi connection

## Accessories



IR Remote



Ceiling Mount Plate



Power Adapter  
100-240V Input, DC 12V output



Cables Connector  
Video/RS485/RS232/Alarm I/O



DS-1691ZJ  
Pendant Mounting Bracket  
84 x 124 x 335mm  
(sold separately)



DS-1692ZJ  
Wall Mounting Bracket  
84 x 124 x 335mm  
(sold separately)



AudioMon-K20  
Audio Pick-up  
Range: 54 - 1100sqft  
12V DC power  
(sold separately)



POE-Splitter02  
30W POE Splitter  
With 2 DC12V outputs  
(sold separately)



DS-1100KI  
Network Keyboard with joy-stick  
435 x 110 x 193 mm  
(sold separately)



<b>Camera Module</b>	
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	F1.8, 1/1 sec, 90 IRE, AGC On: Color: 0.02 lux, B/W: 0.002 lux F1.6, 1/30 sec, 50 IRE, AGC On: Color:0.3 lux, B/W: 0.02 lux
Max. Image	1920x1080
Resolution	4.7-94mm, 20x
Focal Length	16X
Digital Zoom	Approx.2.7x(Optical Wide-Tale)
Zoom Speed	58.3-3.2 degree (Wide-Tale)
Angle of View	10-1500mm(Wide-Tale)
Min. Working Distance	F1.6-F3.5
Aperture Range	Auto / Semi-automatic / Manual
Focus Mode	Digital WDR
WDR	> 55dB
Shutter Time	50Hz: 1-1/30,000s; 60Hz: 1-1/30,000s
AGC	Auto / Manual
White Balance	Auto / Manual /ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp
Day & Night	IR Cut Filter
Privacy Mask	24 privacy masks programmable; optional multiple colors and mosaics
Enhancement	3D DNR, EIS, Defog, HLC/BLC, SVC
Pan and Tilt	Range Pan:360°endless; Tilt: -30°~90°(Auto Flip)
Speed	Pan Manual Speed: 0.1°~150°/s, Pan Preset Speed: 270°/s Tilt Manual Speed: 0.1°~120°/s, Tilt Preset Speed: 200°/s
Number of Preset	300
Patrol	8 patrols, up to 32 presets per patrol
Pattern	4 patterns, with the recording time not less than 10 minutes per pattern
Park Action	Preset / Patrol / Pattern / Auto scan / Tilt scan / Random scan / Frame scan / Panorama scan
Scheduled Task	Preset / Patrol / Pattern / Auto scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Dome adjust/Aux output
Smart Features	Manual/Panorama/Intrusion trigger/ Line crossing trigger/ Region entrance trigger/ Region exiting trigger Smart tracking when patrol between multiple scan/rails
Smart tracking	Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection Support 24 areas with adjustable levels
Smart detection	Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection Support 24 areas with adjustable levels
HCI encoding	Alarm
Alarm I/O	2 alarm input, 1 alarm relay
Alarm Trigger	Face detection, Intrusion detection, Line crossing detection, Region entrance, Region exiting, Audio exception, Motion detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception
Alarm Action	Preset, Patrol, Pattern, SD card recording, Relay output, Notification on Client, Send Email, Upload to FTP, Trigger Channel
Input / Output	1.0V(p-p) / 75Ω, NTSC (or PAL) composite, BNC
Monitor Output	1 Mic in/Line in interface, line input: 2-2.4V(p-p); output impedance: 1KΩ, ±10%
Audio Input	1 Audio output interface, line level, impedance: 600Ω
Audio Output	1 HD-SDI interface
HD-SDI Output	Video Output: 720P@25fps/30fps/50fps/60fps; 1080P@25fps/30fps/50fps/60fps, 1080i@50i/60i/ps
YPbPr Output	DVI-D interface, DVI-D to YPbPr adapter (not included) required Video Output: 720P@50fps/60fps; 1080P@50fps/60fps, 1080i@50i/60i/ps
HDMI Output	DVI-D interface, DVI-D to HDMI adapter (not included) required Video Output: 720P@50fps/60fps; 1080P@50fps/60fps, 1080i@50i/60i/ps
Wi-Fi	IEEE802.11b, 802.11g, 802.11n
Wireless Standards	2.4 GHz ~ 2.4835 GHz
Frequency	20/40MHz Support
Range	802.11b: CCK, QPSK, BPSK 802.11g: OFDM
Bandwidth	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS
Protocols	11n: 11Mbps; 11g: 54Mbps; 11n: up to 150Mbps
Security	50m("The performance varies depending on actual environment.)
Transfer Rates	
Wireless Range	

<b>Network</b>	
Ethernet	10Base-T / 100Base-TX, RJ45 connector
Main Stream	50Hz: 25fps/1920x1080, 1280x960, 1280x720; 60Hz: 30fps/1920x1080, 1280x960, 1280x720)
Sub Stream	50Hz: 25fps/704x576, 352x288, 176x144; 60Hz: 30fps/704x480, 352x240, 176x120)
Third Stream	60Hz: 30fps/1920x1080, 1280x960, 1280x720, 704x480, 352x240, 176x120)
Image Compression	H.264/MPEG/MPEG4, H.264 encoding with Baseline/Main/High profile
Audio Compression	G.711ulaw/G.711slaw/G.726/MP2L2/G.722
Protocols	IP-v4/IP-v6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, S/MMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
Simultaneous Live View	Up to 20 users
Mirrored Memory Card recording	Support up to 128GB Micro SD/SDHC/SDXC card. Support Edge User/Host Level
User/Host Level	Up to 32 users, 3 Levels: Administrator, Operator and User
System	User authentication (ID and PW), Host authentication (MAC address); IP address filtering
Integration	Open-ended API, support ONVIF, PSIA, CGI and Genetec
Application programming	IE 7+, Chrome 18+, Firefox 5.0+, Safari 5.02+, support multi-language
Web Browser	RS-485
Protocols	HKVISION, Pelco-P, Pelco-D, self-adaptive
RS-232	Viaca, Pelco-P, Pelco-D
Power	12VDC, PoE+, Max. 24W
Working Temperature	-10°C ~ 50°C (-14°F ~ 122°F)
Humidity	90% or less
Certification	FCC, CE, UL, RoHS, IEC/EN 61000, IEC/EN 55022, IEC/EN 55024, IEC/EN60950-1
Dimensions	Ø176.6(mm)×202.7(mm)
Weight (approx.)	1.8kg

## Back Panel Interfaces



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