



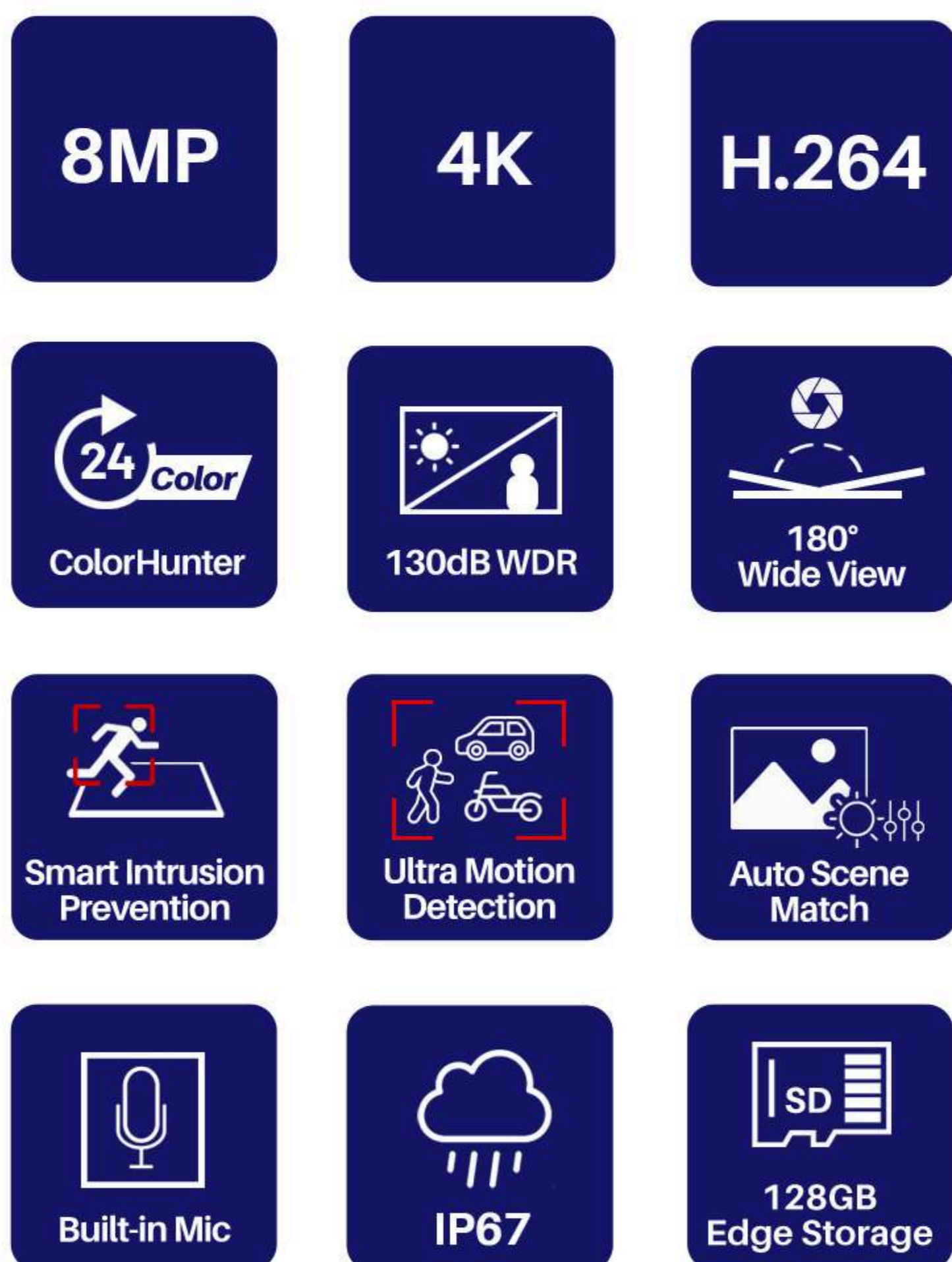
# IPTECHVIEW Universal Camera

[ U2-BLT-OMNI-8ADF40 ]

## 8MP Color Hunter OmniView Bullet Cloud Camera



IPTECHVIEW U2-BLT-OMNI-8ADF40 features day/night functionality, and ColorHunter technology ensures 24-hour full-color images. This high-quality camera with 8MP sensor @ 20 fps. Thanks to the memory card slot, you can optionally record at the edge. The camera is made with a metal case rated IP67 ingress protection.



Compatible with IPTECHVIEW and any VMS that supports



\***NDA A Compliant Camera.** Connectivity software & cloud design developed in the USA.

\*\*IPTECHVIEW cloud recording uses H.264

- Easy Plug and Play and Cloud Management
  - > No fixed IP or port forwarding needed
  - > Full access to GUI through IPTECHVIEW
  - > Rich monitoring & alerting rules
- High quality image with 1/2.7" CMOS sensor
- 8MP (5120 x 1440) @ 20 fps
- Ultra 265, H.265, H.264, MJPEG \*\*
- The double lens splicing technology is adopted to realize the horizontal viewing angle of 180°±10°
- Both channels support intelligent perimeter prevention system, including cross-line, intrusion, enter area, and leave area detection
- ColorHunter technology ensures 24-hour full-color images
- Intelligent people flow counting and crowd density monitoring
- Smart intrusion prevention with color retrieval
- ASM (auto scene match)
- Alarm I/O: 1/1
- Audio I/O: 1/1
- 130dB true WDR technology enables clear image in strong light scene
- Built-in dual mic and speaker
- Warm Light IR, up to 30m (98.4 ft) IR distance
- Support 9:16 Corridor Mode
- Up to 512GB Micro SD card
- IP67 protection
- Support PoE power supply DC 12V, PoE (IEEE 802.3af)

# Specifications

## Camera U2-BLT-OMNI-8ADF40

Max Resolution	8 MP
Sensor	1/2.7" CMOS
Minimum Illumination	Color: 0.0005 Lux (F1.0, AGC ON)
Shutter	Auto/Manual, shutter time: 1~1/100000 s
Adjustment Angle	Pan: 0° ~ 360° Tilt: 0° ~ 90° Rotate: 0° ~ 360°
S/N	>52 dB
WDR	130 dB

## Lens

Focal Length	2 x 4.0 mm
Iris	F1.0
Angle of View	180°±10° x 47.41° x 180.13°±10° (H-V-D)
Lens Type	Fixed

## DORI

DORI Distance (Lens):	4 mm
DORI Distance (Detect):	90.0 m (295.3 ft)
DORI Distance (Observe):	36.0 m (118.1 ft)
DORI Distance (Recognize):	18.0 m (59.1 ft)
DORI Distance (Identify):	9.0 m (29.5 ft)

## Illuminator

Supplemental Light	Warm light
Illumination Distance (Warm Light)	30 m (98.4 ft)
Light On/Off Control	Auto/Manual

## Video

Video Compression	Ultra 265, H.265, H.264, MJPEG**
H.264 code profile	Baseline profile, Main profile, High profile
Frame Rate	Main Stream: 8MP (5120 x 1440) Max 20 fps Sub Stream: 2560 x 720 Max 20 fps
Video Bit Rate	128 Kbps~16 Mbps
U-code	Support
OSD	Up to 8 OSDs
Privacy Mask	Up to 4 areas
ROI	Support
Video Stream	Double streams

## Image

Smart Illumination	Support
Auto Scene Match (ASM)	Support (only WDR)
White Balance	Auto, Outdoor, Fine tune, Sodium lamp, Locked, Auto2
Digital Noise Reduction	2D/3D DNR
Flip	N/A
Dewarping	N/A
HLC	Support
BLC	Support
Defog	Digital defog
Image Stabilization	N/A

## Intelligence

People Counting	Support people flow counting and crowd density monitoring
Attribute Collection	SIP with color retrieval
Smart Intrusion Prevention	Cross line detection, intrusion detection, enter area detection, leave area detection (support false alarm filtering and the classification of human, non-motor vehicle and vehicle)
Statistical Analysis	N/A

## Events

Basic Detection	Motion detection, Ultra motion detection, Tampering alarm, Audio detection
General Function	Watermark, IP address filtering, Access policy, ARP protection, RTSP authentication, User authentication, HTTP authentication, Alarm input, Alarm output

## Audio

Audio Compression	G.711 U, G.711A
Audio Bitrate	64 Kbps
Two-way Audio	Support
Suppression	Support
Sampling Rate	8 kHz

## Storage

Edge Storage	MicroSD, up to 512 GB
Network Storage	ANR, NAS (NFS)

## Network

Protocols	IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, SSL/TLS, SSH
Compatible Integration	IPTECHVIEW-Ready™, ONVIF (Profile S, Profile G, Profile T, Profile M), API, SDK
User/Host	Up to 32 users. 3 user levels: administrator, common user and operator
Security	Password protection, Strong password, HTTPS Encryption Export operation logs, Basic and digest authentication for RTSP, Digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF
Client	EZStation, APP
Web Browser	Plug-in required live view: IE 10+, Chrome 45+, Firefox 52+ Edge 79+, Plug-in free live view: Chrome 57+, Firefox 58+, Edge 16+

## Interface

Audio I/O	1 Input: impedance 35 kΩ; amplitude 2 V [p-p] 1 Output: impedance 600 Ω; amplitude 2 V [p-p]
Alarm I/O	1/1
Serial Port	N/A
Built-in Mic	Built-in dual-mic
Built-in Speaker	Support
WIFI	N/A
Network	1 x RJ45 10 M/100 M Base-TX Ethernet
Video Output	N/A

## Certification

EMC	CE-EMC (EN 55032: 2015+A1:2020, EN 61000-3-3: 2013+A1: 2019, EN IEC 61000-3-2: 2019+A1: 2021, EN 55035: 2017+A11: 2020)
Safety	FCC (FCC CFR 47 part 15 B, ANSI C63.4-2014) CE LVD (EN 62368-1:2014+A11:2017) CB (IEC 62368-1:2014) UL (UL 62368-1, 2nd Ed., Issue Date: 2014-12-01)
Environment	CE-RoHS (2011/65/EU;(EU)2015/863); WEEE (2012/19/EU, Reach (Regulation (EC) No 1907/2006)
Protection	IP67 (IEC 60529: 1989+AMD1: 1999+AMD2: 2013)

## General

Power	DC12V ± 25%, PoE (IEEE 802.3af)
Power Consumption	Max. 13 W
Power Interface	Ø5.5 mm coaxial power plug
Dimensions	273 mm × 130 mm × 76 mm (10.7" × 5.1" × 3.0") (L × W × H)
Weight	0.96 kg (2.12 lb)
Material	Metal
Working Environment	-30 °C to 60 °C (-22 °F to 140 °F), Humidity: ≤ 95% RH (non-condensing)
Storage Environment	-30 °C to 60 °C (-22 °F to 140 °F), Humidity: ≤ 95% RH (non-condensing)
Surge Protection	4 kV
Reset Button	Support
Web Client Language	20 Languages: (Traditional Chinese, English, Simplified Chinese, Polish, German, Russian, French, Korean, Dutch, Czech, Portuguese (Europe - Brazil), Japanese, Thai, Turkish, Spanish (Europe - Latin America), Hungarian, Italian, Vietnamese)

# Accessories



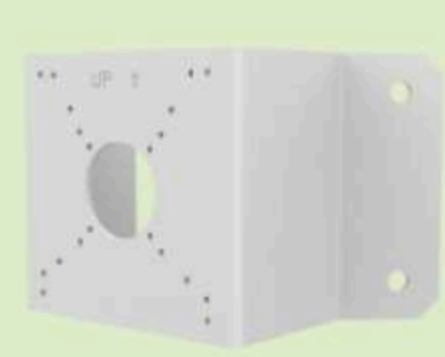
**U2-ACC-BC-JB06-A-IN**  
Middle Bullet Junction Box



**U1-ACC-B-POLE06-B**  
Bullet Pole Mount Adapter



**U2-ACC-B-JB07-D-IN-V2**  
Bullet Junction Box



**U2-ACC-D/B-UC08-C-V2**  
Corner Mount



**U2-ACC-B/D/T-POLE06-C-IN-V2**  
Pole Mount Adapter



**U1-ACC-B/D/H/T-ADP01**  
Plastic Waterproof Joint