Summary
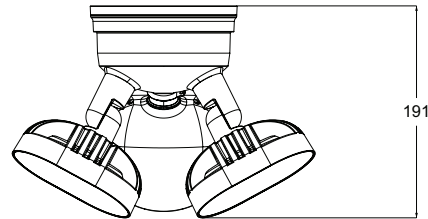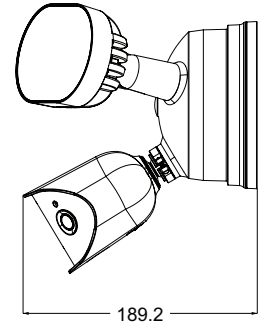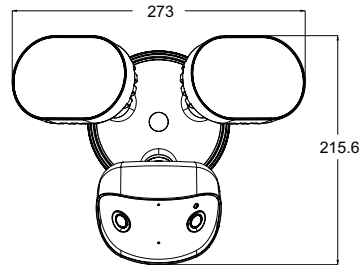
Combining advanced surveillance features with active deterrence, the Luma 720 Series POE Floodlight Camera delivers enhanced safety, reliability, and performance. With Power over Ethernet (PoE) connectivity, this model is ideal for professional installs where consistent power and network stability are critical.

Unlike traditional single-lens cameras, the 720 Series features a dual-lens design that delivers a wider field of view and higher-resolution imaging across a broader area — perfect for full coverage of driveways, yards, or large outdoor zones.

Integrated floodlight illumination and hybrid night vision give you full control over nighttime footage. Choose traditional IR for wide-area black-and-white visibility, or switch to full-color mode using powerful built-in floodlights that highlight important details like faces, vehicles, and clothing.

Dimensions

Unit: mm

273
215.6
189.2
191

Accessory Compatibility

LUM-A20-JB-VF-BTB
LUM-A20-JB-VF-BTW

Specifications

Specifications	LUM-720-IP-FLDW	LUM-720-IP-FLDB
Color	White	Black
Image Sensor	7MP (Dual 4MP 1/1/8") CMOS	7MP (Dual 4MP 1/1/8") CMOS
Maximum Resolution	4560×1520	4560×1520
Frame Rate	30fps	30fps
Shutter Speed	1 - 1/16000 sec	1 - 1/16000 sec
Minimum Illumination	0.001 Lux @ F1.6, AGC ON 0 Lux with IR 0 Lux with LED	0.001 Lux @ F1.6, AGC ON 0 Lux with IR 0 Lux with LED
Aperture	F1.0	F1.0
Field of View	Horizontal: 200° Vertical: 60°	Horizontal: 200° Vertical: 60°
Focus	Fixed	Fixed
IR Range	30m (98ft)	30m (98ft)
White LED Range	15m (50ft)	15m (50ft)
WDR	>100dB	>100dB
Backlight Compensation	Yes	Yes
Highlight Compensation	Yes	Yes
DNR	2D/3D DNR	2D/3D DNR
S/N Ratio	>42dB*	>42dB*
Smart Alarm	Motion detection, sensor alarm, SD card error, SD card full, IP address conflict, audio alarm, light alarm	Motion detection, sensor alarm, SD card error, SD card full, IP address conflict, audio alarm, light alarm

Specifications	LUM-720-IP-FLDW	LUM-720-IP-FLDB
Recording Trigger	Motion, Line Crossing, Intrusion, Scene Change, Video Blur	Motion, Line Crossing, Intrusion, Scene Change, Video Blur
AI Event	Human, Vehicle & Non-motor Vehicle Detection	Human, Vehicle & Non-motor Vehicle Detection
Motion Detection	Yes	Yes
Image Snapshot	Yes	Yes
Streams	Main stream: H.265 / H.264 Sub/Third/Fourth stream: H.265 / H.264 / MJPEG	Main stream: H.265 / H.264 Sub/Third/Fourth stream: H.265 / H.264 / MJPEG
Main Stream	4560×1520	4560×1520
Sub Stream	704×480	704×480
Third Stream	704×480	704×480
Fourth Stream	1920×1080	1920×1080
Supported Resolutions	4560×1520, 2688×1520, 1920×1080, 1280×720, 704×480	4560×1520, 2688×1520, 1920×1080, 1280×720, 704×480
Bit Rate	512kbps - 8Mbps (VBR/CBR)	512kbps - 8Mbps (VBR/CBR)
Audio Compression	G.711 a/ulaw	G.711 a/ulaw
Microphone	1CH built-in microphone	1CH built-in microphone
SD Card Support	Built-in micro SD card slot; up to 1TB	Built-in micro SD card slot; up to 1TB
Speaker	1CH built-in Speaker (82dB, level measured at 15ft distance)	1CH built-in Speaker (82dB, level measured at 15ft distance)
Audio Input/Output Connectors	No	No
Alarm Contact Inputs/Outputs	No	No
CVBS Output	No	No
Reset Button	Yes	Yes
Network / Ethernet Desc.	Yes	Yes
Power over Ethernet	IEEE 802.3bt	IEEE 802.3bt
Network Protocol	IPV4, IPV6, HTTP, HTTPS, 802.1x, FTP, SMTP, DNS, DDNS, UPnP, SNMP, NTP, P2P, RTSP, RTP, RTCP, TCP/IP, UDP, IGMP, ICMP, DHCP	IPV4, IPV6, HTTP, HTTPS, 802.1x, FTP, SMTP, DNS, DDNS, UPnP, SNMP, NTP, P2P, RTSP, RTP, RTCP, TCP/IP, UDP, IGMP, ICMP, DHCP
Interface Protocol	ONVIF	ONVIF
Browser Support	Chrome, Firefox, Safari, Edge	Chrome, Firefox, Safari, Edge
Power Consumption	37.8W @ 54V	37.8W @ 54V
Outdoor Rating	IP66	IP66
Defog	No	No
Certifications	ETL Listed, CE, FCC, UKCA, NDAA Compliant, ONVIF Conformance	ETL Listed, CE, FCC, UKCA, NDAA Compliant, ONVIF Conformance
Operating Temperature	-4°F - 122°F (-20°C - 50°C)	-4°F - 122°F (-20°C - 50°C)
Operating Humidity	Less than 95% non-condensing	Less than 95% non-condensing
Storage Temperature	-22°F - 140°F (-30°C - 60°C)	-22°F - 140°F (-30°C - 60°C)
Dimensions (W x H x D)	10.74 × 8.48 × 7.51in (273 × 215.6 × 191mm)	10.74 × 8.48 × 7.51in (273 × 215.6 × 191mm)
Weight	2.66 lbs (1.21 kg)	2.66 lbs (1.21 kg)

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