



Summary

The Luma 420 Series Wi-Fi Floodlight Camera delivers powerful security and surveillance in one smart device. With dual-band Wi-Fi (2.4 GHz and 5 GHz) connectivity, a 4MP image sensor, and recording to NVR or MicroSD, it's flexible enough for any project.

Built-in two-way audio, dual adjustable LED illuminators (2700–5000K), and OvrC enablement provide enhanced control and convenience. NDAA compliance ensures trusted, reliable performance in every install.

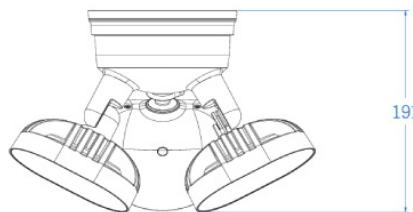
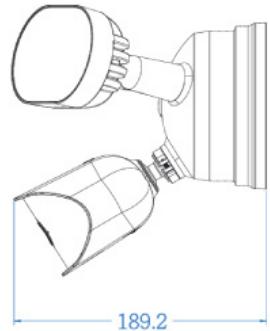
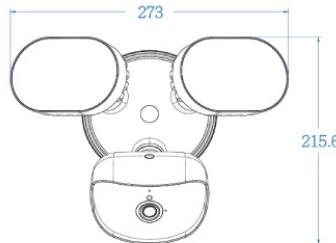
Supporting straight to NVR recording or local on-board recording via MicroSD card, you can ensure every critical moment is captured and easily accessible when needed.

Specifications

Specifications	LUM-420-W-FLSW	LUM-420-W-FLSB
Color	White	Black
Image Sensor	4MP (1/2.9") CMOS	4MP (1/2.9") CMOS
Maximum Resolution	2688x1520	2688x1520
Frame Rate	30fps	30fps
Shutter Speed	1 - 1/16000 sec	1 - 1/16000 sec
Lens	2.26mm @ F1.6, Fixed Lens	2.26mm @ F1.6, Fixed Lens
Minimum Illumination	0.05 Lux @ F1.6, AGC ON 0 Lux with IR 0 Lux with LED	0.05 Lux @ F1.6, AGC ON 0 Lux with IR 0 Lux with LED
Aperture	F1.6	F1.6
Field of View	Horizontal: 130° Vertical: 74.7°	Horizontal: 130° Vertical: 74.7°
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	40dB*	40dB*
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
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

Dimensions

Unit: mm



Specifications

Specifications	LUM-420-W-FLSW	LUM-420-W-FLSB
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	2688x1520	2688x1520
Sub Stream	704x480	704x480
Third Stream	704x480	704x480
Fourth Stream	1920x1080	1920x1080
Supported Resolutions	2688x1520, 1920x1080, 1280x720, 704x480	2688x1520, 1920x1080, 1280x720, 704x480
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 (110dB, level measured at 4inch sistance)	1CH built-in Speaker (110dB, level measured at 4inch sistance)
Audio Input/Output Connectors	No	No
Alarm Contact Inputs/Outputs	No	No
CVBS Output	No	No
Reset Button	Yes	Yes
Network / Ethernet Desc.	No	No
Power over Ethernet	IEEE802.11b/g/n/ac/ax	IEEE802.11b/g/n/ac/ax
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	AC100 - 240V , < 28W	AC100 - 240V , < 28W
Outdoor Rating	IP66	IP66
Defog	No	No
Certifications	ETL Listed, CE, FCC, NDAA Compliant, ONVIF Conformance	ETL Listed, CE, FCC, 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 x 8.48 x 7.51in (273 x 215.6 x 191mm)	10.74 x 8.48 x 7.51in (273 x 215.6 x 191mm)
Weight	2.97 lbs (1.35 kg)	2.97 lbs (1.35 kg)