Luma LUM-820-IP-BFHW Camera Hybrid Bullet Fixed Lens Owner's Manual

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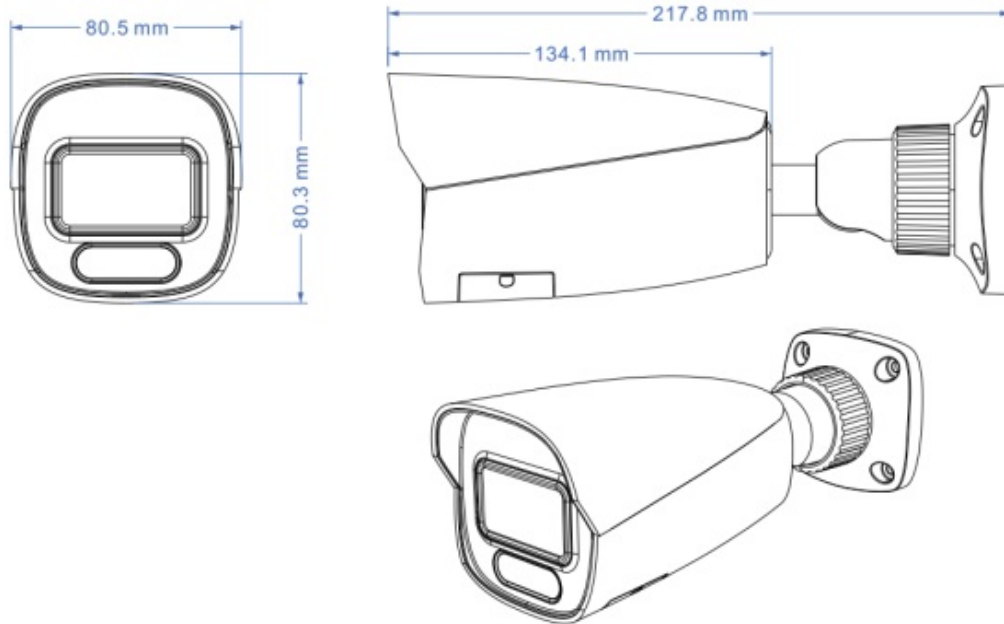

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Summary

Luma X20 Hybrid cameras combine the best features of our top surveillance devices into one. These cameras offer a hybrid solution for low-light conditions, allowing you to choose between traditional IR Night Vision for covering wider areas with minimal ambient light or Color at Night mode for capturing critical details such as color and additional features, while also helping to deter trespassing.

Enhance home defense with Active Deterrence capabilities that help stop break-ins and trespassers in their tracks. Utilizing built-in LED white lights and AI-assisted intrusion or linecrossing detection, the camera will flash lights and play an audible alarm or pre-set audio clip, alerting trespassers that they are being monitored or are trespassing.

Dimensions

Unit: mm

Product	LUM-820-IP-BFH(W/B)
Image Sensor	8MP 1/1.8" CMOS
Color	White/Black
Form Factor	Bullet
Maximum Resolution	3840 x 2160
Frame Rate	Max 30FPS
Shutter Speed	1/4s – 1/1000,000s
Lens	2.8 mm @ F1.6, fixed lens
Minimum Illumination	0.008 lux @ F1.6, AGC ON,0 lux with IR, 0 lux with LED
Aperture	F1.6
Field of View	2.8 mm Horizontal: 109° Vertical: 57° Diagonal: 132°
Focus	Fixed
IR Range	IR range: 30 – 40m (98 – 131ft)
White LED Distance	White light range: 30 – 40m (98 – 131ft)
Angle Adjustment	Pan: 0° – 360°Tilt: 0° – 90°Rotation: 0° – 360°
WDR	120dB
Backlight Compensation	Yes
Highlight Compensation	Yes
DNR	2D/3D DNR
S/N Ratio	≥50dB

Smart Alarm	Motion detection, sensor alarm, SD card error, SD card full, IP address conflict, cable connection, audio alarm, light alarm
Recording Trigger	Motion, Line Crossing, Intrusion, Target Counting, Loitering, Illegal Parking, Abandoned/ Missing Object
AI Event	Human, Vehicle & Non-motor Vehicle Detection
Motion Detection	Yes
Image Snapshot	Yes
Streams	Main Stream: H.265+ / H.265 / H.264+ / H.264Sub/Third: H.265+ / H.265 / H.264+ / H.264/ MJPEG
Main Stream	8MP/6MP/4MP/2K/1080P (60Hz : 1 – 30fps;50Hz: 1 – 25fps)
Sub Stream	1080P (60Hz/50Hz: 1 – 15fps), 720P, D1, 640 ×360 (60Hz: 1 – 30fps; 50Hz: 1 – 25fps)
Third Stream	720P (60Hz/50Hz: 1 – 15fps), D1, VGA, 640 ×360, CIF, 480 × 240 (60Hz: 1 – 30fps; 50Hz: -25fps)
Supported Resolutions	8MP (3840 × 2160), 6MP (3200 × 1800), 4MP(2688 × 1520), 2K (2560 × 1440), 1080P (1920×1080), 720P (1280 × 720), D1, VGA (640 ×480), 640 × 360, CIF, 480 × 240
Bit Rate	64Kbps – 12Mbps (VBR / CBR)
Audio Compression	G711A / U
Microphone	1CH built-in microphone
SD Card Support	Built-in micro SD card slot; up to 256GB
Speaker	1CH built-in speaker
Audio Input/ Output Connectors	1CH audio input; 1CH audio output
Alarm Contact Inputs/Outputs	1CH alarm input; 1CH alarm output
CVBS Output	No
Reset Button	Yes
Network / Ethernet Desc.	RJ-45 10M/100M self-adaptive Ethernet port
Power over Ethernet	IEEE802.3af PoE
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, RTMP, HTTP, 802.1x, UPnP, HTTPS, HTTP POST, QoS
Interface Protocol	ONVIF
Browser Support	Chrome, Firefox, Safari, Edge, IE Mode in Edge
Power Consumption	DC12V/PoE, < 11.5W
Outdoor Rating	IP66
Defog	Yes
Certifications	ETL Listed, CE, FCC, NDAA Compliant, ONVIF Conformance

Operating Temperature	-22°F – 149°F (-30°C – 65°C)

Learn more at **snapav.com/luma**
Luma 8MP x20 IP Camera Hybrid Bullet Fixed Lens
LUM-820-IP-BFHW, LUM-820-IP-BFHB

Documents / Resources

Luma LUM-820-IP-BFHW Camera Hybrid Bullet Fixed Lens [pdf] Owner's Manual
LUM-820-IP-BFHW Camera Hybrid Bullet Fixed Lens, LUM-820-IP-BFHW, Camera Hybrid Bullet Fixed Lens, Bullet Fixed Lens, Fixed Lens, Lens

References

- **User Manual**