

H.265+ ABF Pro Box Network Camera



DATASHEET

KEY FEATURES

- ▶ **Smart Stream** (Bandwidth, storage and bit rate are saved with Smart Stream On, eg, H.265+ saves 70%~80% bandwidth that of H.264.)
- ▶ **Auto Back Focus** (Enabling camera to adjust back focal length automatically.)
- ▶ **0.001Lux Starlight** (Deliver high detailed color images even in low light environment reaching 0.001Lux.)
- ▶ **140dB Super WDR** (Excellent performance even when the ratio of the luminosity of brightest and darkest is up to 140dB.)
- ▶ **Advanced Functions** (Boasting to support various advanced functions such as HLC, Defog, ROI.)
- ▶ **ICR Filter** (Filtering the infrared ray out in the day, and automatically switch day and night mode.)
- ▶ **RS485 port** (Connecting an external electrical rotating bracket with the camera to realize PTZ control through WEB/ NVR/ CMS/ VMS/ APP interfaces.)
- ▶ **256G** (Supporting ultra-large external microSD/SDHC/SDXC card storage up to 256G.)

30fps@4K

Providing 4K HD resolution with frame rate of 30fps, the camera performs well in catching detailed image regardless of the moving speed.

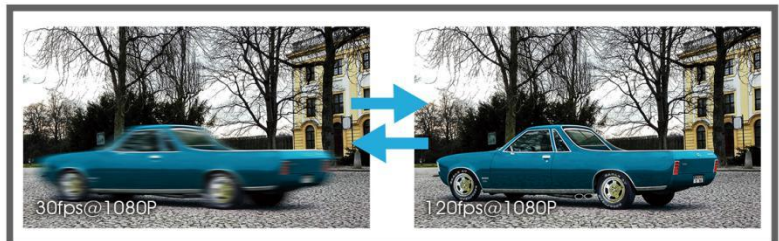


3 in 1 Super WDR Pro - 140dB

Milesight upgraded 3 in 1 Super WDR Pro outputs three frames each line, which is able to bring more details especially moving subjects. What's more, it greatly improves image quality for reducing smear and noisy points. The ratio that the brightest light signal values divided by the darkest light signal values is up to 140dB.

120fps

With the industry leading frame rate reaching 120fps, the cameras can easily catch images with no latency despite of the high-speed movement, which is the best choice for the demanding requirements especially for intelligent cameras.



Various Zoom Lens Supported

The Pro Box Camera allows the user to choose different zoom lens and the various lens can provide new perspectives, which perfectly caters to the needs for flexible surveillance.

H.265+ ABF Pro Box Network Camera



	Model	MS-C2851-(R)(E)PB (2MP)	MS-C2951-(Q)(T)(R)(E)PB (2MP)
Camera	Image Sensor	1/2" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
	Min. Illumination	Color: 0.001Lux@F1.2 B/W: 0.0005Lux@F1.2	Color: 0.002Lux@F1.2 B/W: 0.001Lux@F1.2
	WDR	140dB Super WDR	140dB Super WDR (Super WDR Pro is optional for Q & T Series)
	Mount	C/CS	
	Iris	P-Iris/DC-Iris	
	Shutter Time	1/100000s~1s	
	Day/Night Mode	Day/Night/Auto/Customize/Schedule	
	S/N	>55dB	
Video	Max. Image Resolution	1920x1080	
	Primary Stream	60fps@(1920x1080) (Optional for R Series), 30fps@(1920x1080, 1280x960, 1280x720, 704x576)	120fps@(1920x1080)(Optional for Q Series), 90fps@(1920x1080)(Optional for T Series), 60fps@(1920x1080)(Optional for R Series), 30fps@(1920x1080, 1280x960, 1280x720, 704x576)
	Secondary Stream	30fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)	
	Tertiary Stream	30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180)	
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG	
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)	
	Privacy Masking	Up to 8 areas	
	ROI	Up to 8 areas	
	Image Setting	Brightness/Contrast/Saturation/Sharpness	
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port	
	Audio I/O	1/1	
	Alarm I/O	1/1	
Network	Network Storage	NAS(Support NFS, SMB/CIFS), ANR	
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL	
Audio	Audio Compression	G.711/AAC/G.722/G.726	
	Audio Sampling Rate	8/16/32/44.1/48KHz (44.1KHz is available for all except R & T & Q Series.)	
	Audio Bit Rate	16~256kbps	
	Two-way Audio	Support	

H.265⁺ ABF Pro Box Network Camera



System	Auto Back Focus	Support(Optional)	
	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 256G	
	Advanced Function	BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, EIS, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark	
	SIP/VoIP Support	Yes, Voice & Video-over-IP	
	Event Trigger	Motion Detection, Network Disconnection, Audio Alarm, External Input, etc.	
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.	
	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Left, Object Removed	
	System Compatibility	ONVIF Profile G & Q & S & T, API	
General	Working Temperature	-40°C~60°C	
	Working Humidity	0~90%(Non-condensing)	
	Power Supply	PoE (802.3af) / DC 12V±10%	
	Power Consumption	3.5W MAX for -PB Series	2.5W MAX for -PB Series 7W MAX for -EPB Series
	Weight	407g	
	Dimensions	115mmX62mmX50mm	
	Warranty	3/5 Years	

H.265+ ABF Pro Box Network Camera



	Model	MS-C5351-(H)PB (5MP)	MS-C8151-(H)PB (4K)
Camera	Image Sensor	1/2.8" Progressive Scan CMOS	
	Min. Illumination	Color: 0.005Lux@F1.2 B/W: 0.002Lux@F1.2	Color: 0.01Lux@F1.2 B/W: 0.005Lux@F1.2
	WDR	120dB Super WDR	
	Mount	C/CS	
	Iris	P-Iris/DC-Iris	
	Shutter Time	1/100000s~1s	
	Day/Night Mode	Day/Night/Auto/Customize/Schedule	
	S/N	>55dB	
Video	Max. Image Resolution	2592x1944	3840x2160
	Primary Stream	30fps@(2592x1944), 45fps@(2048x1536), 60fps@(1920x1080)(Optional for H Series), 20fps@(2592x1944), 30fps@(2048x1536, 1920x1080, 1280x960, 1280x720, 704x576)	30fps@(3840x2160)(Optional for H Series), 15fps@(3840x2160), 30fps@(3072x2048, 2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576)
	Secondary Stream	30fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)	
	Tertiary Stream	30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180)	
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG	
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)	
	Privacy Masking	Up to 8 areas	
	ROI	Up to 8 areas	
Image Setting	Brightness/Contrast/Saturation/Sharpness		
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port	
	Audio I/O	1/1	
	Alarm I/O	1/1	
Network	Network Storage	NAS(Support NFS, SMB/CIFS), ANR	
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL	
Audio	Audio Compression	G.711/AAC/G.722/G.726	
	Audio Sampling Rate	8/16/32/48KHz (32KHz and 48KHz are available for H Series.)	8/16/32/48KHz
	Audio Bit Rate	16~96kbps, 16~256kbps(Optional for H Series)	16~256kbps
	Two-way Audio	Support	

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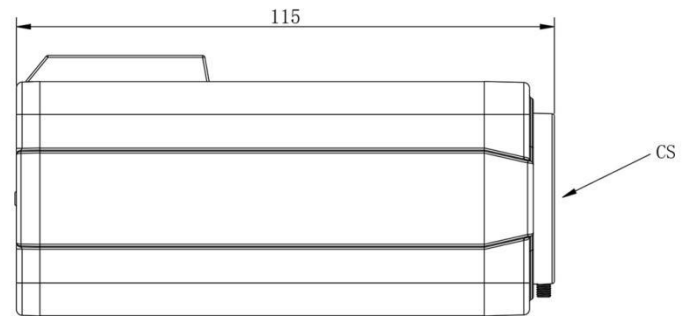
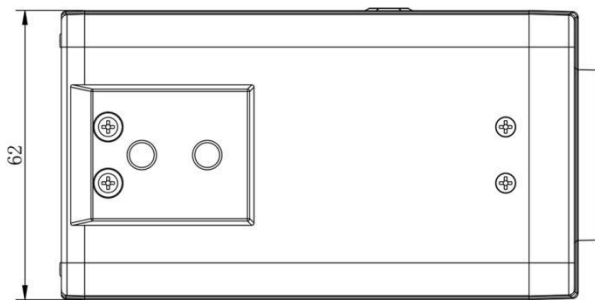
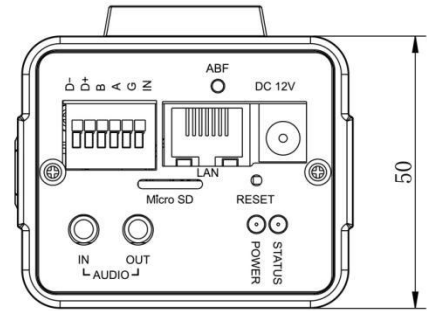
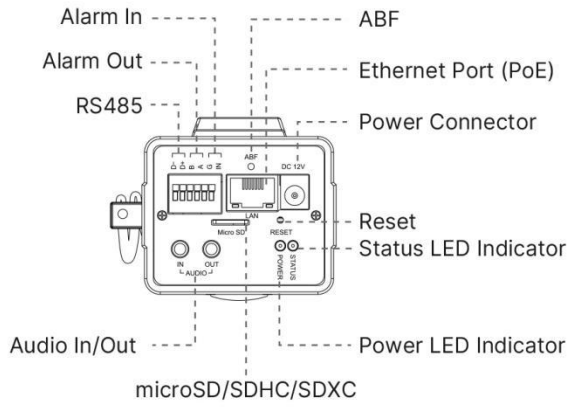


System	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 256G	
	Advanced Function	BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, EIS, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark	
	SIP/VoIP Support	Yes, Voice & Video-over-IP	
	Event Trigger	Motion Detection, Network Disconnection, Audio Alarm, External Input, etc.	
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.	
	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Left, Object Removed	
	System Compatibility	ONVIF Profile G & Q & S & T, API	
General	Working Temperature	-40°C~60°C	
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	Power Supply	PoE (802.3af) / DC 12V±10%	
	Power Consumption	2.5W MAX	8.7W MAX
	Weight	407g	
	Dimensions	115mmX62mmX50mm	
	Warranty	3/5 Years	

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Structure Diagrams



Units: mm

Accessories Support

A51 Protective Housing

Weight: 1988g

Dimensions: 380*150*H mm(H is adjustable)



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