

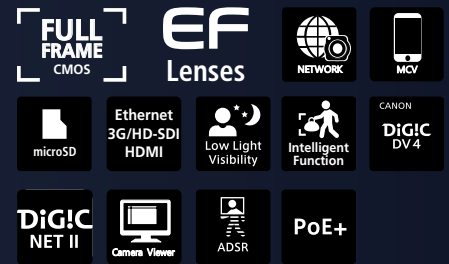
SEE THE IMPOSSIBLE WITH ME20F-SHN



ACTUAL NIGHT SCENE

ULTRA-HIGH SENSITIVITY FOR EXTREME LOW LIGHT SURVEILLANCE

Canon's latest ME20F-SHN Multi-Purpose Camera is designed to capture crisp, clean video in near absence of light. Made possible with the ultra-high sensitivity Full Frame CMOS Sensor and powered by DIGIC DV 4 image processor, it captures colour images in an environment as low as 0.0005 lux at a maximum 75dB gain, equivalent to a stunning light sensitivity of ISO 4,000,000. Enhanced with added smart network features, the ME20F-SHN is unmatched for any application where failure is not an option.

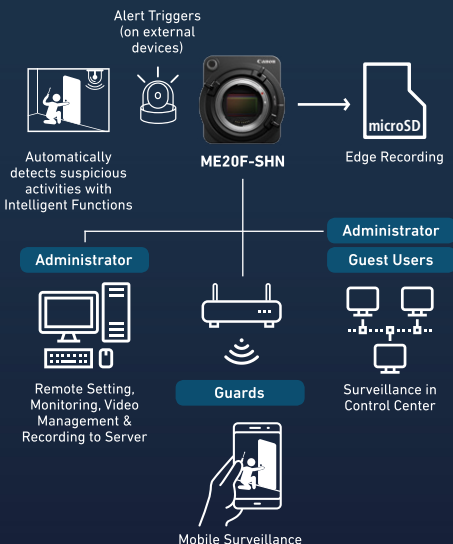


KEY FEATURES

01 Network Capabilities for Unrivalled Performance



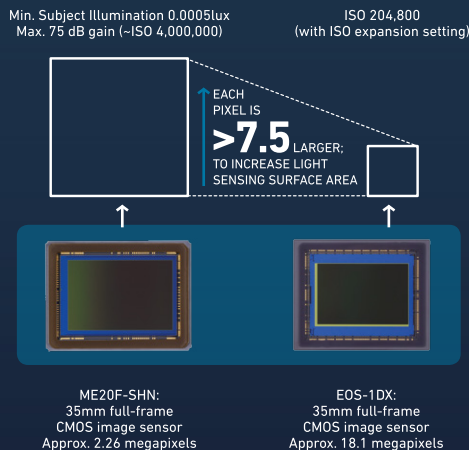
Coupling its ultra sensitivity qualities with network capabilities, the ME20F-SHN is an ideal camera to support any critical surveillance and versatile applications.



02 Exceptional Light Capturing Photo-Sites



Tailoring the 35mm Full Frame CMOS sensor to shoot Full HD resolution to capture clear and bright images in the faintest ambient light.



03 Flexible Installation with Wide Range of Lenses



12-pin lens terminal for communication with EF Cine-Servo Lens

Compatible with more than 30 types of EF lenses to maximize sensor's performance and various installation



EF mount, cinema lock type for strong and steady hold with ease of installation

^A B4 lenses supported with third-party adapters

SPECIFICATIONS

ME20F-SHN

Image Sensor	35mm full-frame CMOS sensor Effective pixels (approx.): 2,260,000 pixels	
Minimum subject illumination (ISO 4,000,000 equivalent)	Less than 0.0005 lux* * Under the following conditions: color, no light accumulation, f/1.2, shutter speed 1/30, 50 IRE, maximum gain 75 dB, custom picture [Off].	
Lens Mount	Canon EF mount (Cinema Lock type)	
System Frequency	59.94 Hz, 50.00 Hz* * A 1920 x 1080 black video is output on the network connection when selecting a system frequency 50.00 Hz.	
Frame Rate	Output from 3G/HD-SDI Terminal or HDMI OUT Terminal	59.94P, 59.94i*, 50.00P, 50.00i*, 29.97P**, 25.00P, 25.00PsF*, 23.98P * Only when the resolution is 1920 x 1080. ** A 1920 x 1080 black video is output on the network connection when selecting a frame rate other than 29.97P
	Output from Network Terminal	JPEG: 0.1 – 30 fps MPEG4-AVC/H.264: 1/2/3/5/6/10/15/30 fps – Only the following combination is available for video output via a network. System frequency: 59.94 Hz, Frame rate: 29.97P, Resolution: 1920 x 1080 – Values represent streaming performance from the camera. – The frame rate may be reduced due to Viewer computer's specs, the number of clients accessing at the same time, network loads, video quality setting, type or movement of the subject or other reasons. Maximum frame rate when used in the following combinations: When streaming H.264(1) (1920 x 1080) and H.264(2) (all sizes) simultaneously: 15 fps When streaming H.264(1) (all sizes) and H.264(2) (1920 x 1080) simultaneously: 15 fps
Exposure	AE shift, light metering modes (standard, spotlight, backlight)	
White Balance	Auto, White Balance Set A, White Balance Set B, Daylight, Tungsten, Color Temperature	
Iris	Manual (1/2-stop increments, 1/3-stop increments, fine adjustment), push auto iris, automatic aperture (linked with gain, shutter speed and ND filter)	
Gain	0.0 – 75.0 dB (3.0 dB increments)	
Shutter Speed	1/3 – 1/2000 (specific values depend on the system frequency and frame rate)	
Focus	Manual focus, one-shot AF	
Lens Correction	Peripheral illumination correction is available for Canon EF lenses – Some Canon EF lenses are not compatible with peripheral illumination correction.	
Optical Filters	ND filter: Built-in (two density levels, 1/8 or 1/64), motor operated, automatic/manual Infrared-cut filter: Motor operated, manual only	
Gamma	Normal (4 types), EOS Std., Wide DR, Canon Log, Crisp Img	
Video Size	JPEG, MPEG4-AVC/H.264: 1920 x 1080, 1280 x 720* * A 1920 x 1080 black video is output on the network connection when selecting a video size 1280 x 720	
Security	Camera Control: Administrator, Authorized user, Guest user (level of control varies depending on user) Access Control: User authority (user name and password), Host Access Restrictions (IPv4, IPv6) IEEE802.1X: EAP-MD5, EAP-TLS, EAP-TTLS, EAP-PEAP Encrypted Communications: SSL/TLS, IPsec	
Protocol	IPv4, IPv6, TCP/IP, UDP, HTTP, FTP, SNMPv1/v2c/v3 (MIB2), DHCP, DNS, AutoIP, mDNS, ARP, ICMP, POP3, NTP, SMTP, RTP/RTCP, RTSP, SSL/TLS, IPsec, ONVIF, Profile-S, Profile-G, WV-HTTP (Canon proprietary)	
Intelligent Function (Video)	Moving Object Detection, Abandoned Object Detection, Removed Object Detection, Camera Tampering Detection, Passing Detection, Intrusion Detection Detection Settings: Max. 15 Non-detection Area Settings: Available	
OS and Compatible Web Browser	Windows 7, Internet Explorer 11/Chrome 61 Windows 8.1, Internet Explorer 11/Chrome 61 Windows 10, Internet Explorer 11/Chrome 61 Windows Server 2008, Internet Explorer 9 Windows Server 2008 R2, Internet Explorer 11/Chrome 61 Windows Server 2012, Internet Explorer 10/Chrome 61 Windows Server 2012 R2, Internet Explorer 11/Chrome 61 Windows Server 2016, Internet Explorer 11/Chrome 61	
Power Supply	PoE: PoE+ power supply via LAN connector (IEEE802.3at Type2 compliant) – PoE cannot be used. – Some lens may not operate due to a power shortage when using PoE+. External power source: 11 – 17 V DC	
Power Consumption (camera body only)	PoE+: Max. approx. 18.0 W* DC: Max. approx. 16.0 W * Class 4 power sourcing equipment (requests 30.0 W)	
Operating Temperature	0°C – +40°C (+32°F – +104°F)	
Storage Environment	Temperature: -30°C – +60°C (-22°F – +140°) Humidity: 5% – 90% (without condensation)	
Dimensions (W x H x D, excluding protrusions)	Approx. 102 x 116 x 113 mm (4.0 x 4.6 x 4.4 in.)	
Weight (camera body only)	1300 g (2.87 lb.)	

FOR FULL SPECIFICATIONS, PLEASE REFER TO OUR WEBSITE

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