

BOSCH EXTREME CCTV QUICK GUIDE

		EX7 Vandal-Proof No-grip Ceiling Camera	EX8 Dual Sensor No-grip Ceiling Camera	EX10 Extreme Environment Camera	EX14 Extreme Environment Camera	EX27 All-Weather Camera	
All-Environment Cameras							
Options		IP Version available		IR Version available		IR or Dessert Version available	
Camera Opt. 1	Daytime Sensor	C7 Hi-Res Color CCD	C7 Hi-Res Color CCD	C7 Hi-Res Color 1/3 in. Interline SuperHAD CCD	C7 Hi-Res Color 1/3 in. Interline SuperHAD CCD	MX4 Extended Hi-Res Day/Night CCD	
	Effective Pixels (H x V)	NTSC: 768 x 494	NTSC: 768 x 494	NTSC: 768 x 494	NTSC: 768 x 494	NTSC: 768 x 494	
	Effective Pixels (H x V)	PAL: 752 x 582	PAL: 752 x 582	PAL: 752 x 582	PAL: 752 x 582	PAL: 752 x 582	
	Resolution	500 TVL	500 TVL	500 TVL	500 TVL	540 TVL color / 540 TVL monochrome	
	S/N Ratio	Greater than 48 dB (AGC off)	Greater than 48 dB (AGC off)	Greater than 48 dB	Greater than 48 dB	Greater than 48 dB (AGC off)	
Daytime Sensitivity	2.7 lux at F1.4	2.7 lux at F1.4	2.7 lux at F1.4	2.7 lux at F1.4	0.02 lux at F1.4		
Camera Opt. 2	Nighttime Sensor	M4 Hi-Res Day/Night CCD	M4 Hi-Res Day/Night CCD	M4 Hi-Res Day/Night 1/3 in. SuperHAD CCD	MX4 Extended Day/Night 1/3 in. LXR CCD	-	
	Effective Pixels (H x V)	NTSC: 768 x 494	NTSC: 768 x 494	NTSC: 768 x 494	NTSC: 768 x 494	-	
	Effective Pixels (H x V)	PAL: 752 x 582	PAL: 752 x 582	PAL: 752 x 582	PAL: 752 x 582	-	
	Resolution	540 TVL color / 540 TVL monochrome	540 TVL color / 540 TVL monochrome	540 TVL color / 540 TVL monochrome	540 TVL color / 540 TVL monochrome	-	
	S/N Ratio	Greater than 48 dB (AGC off)	Greater than 48 dB (AGC off)	Greater than 48 dB	Greater than 48 dB	-	
Daytime Sensitivity	0.06 lux at F1.4	0.06 lux at F1.4	0.06 lux at F1.4	0.06 lux at F1.4	-		
Camera Opt. 3	Nighttime Sensor	-	-	MX4 Extended Day/Night 1/3 in. LXR CCD	MX4 LXR Mechanical Filter 1/3 in. LXR CCD	-	
	Effective Pixels (H x V)	-	-	NTSC: 768 x 494	NTSC: 768 x 494	-	
	Effective Pixels (H x V)	-	-	PAL: 752 x 582	PAL: 752 x 582	-	
	Resolution	-	-	540 TVL color / 540 TVL monochrome	540 TVL color / 540 TVL monochrome	-	
	S/N Ratio	-	-	Greater than 48 dB	Greater than 48 dB (ACG off)	-	
Daytime Sensitivity	-	-	0.02 lux at F1.4	0.02 lux at F1.4	-		
General	Lens	4-9 mm or 9-22 mm or 5-50 mm IR corrected variofocal lenses	4-9 mm or 9-22 mm IR corrected variofocal lenses	3.6 mm; 6 mm; 12 mm	4-9 mm or 9-22 mm EX14 4-9 mm EX14N	4 to 9 mm EX27N / 9 to 22 mm EX27Dessert 4 to 9 mm; 9 to 22 mm / 5 - 50 mm EX27	
	Gamma	0.45	0.45	0.45	0.45	0.45	
	Video Output	1Vpp, 75 ohm	1Vpp, 75 ohm	1Vpp, 75 ohm	1Vpp, 75 ohm	1Vpp, 75 ohm	
	Iris	1/60 to 1/100,000 (NTSC) 1/50 to 1/100,000 (PAL)	1/60 to 1/100,000 (NTSC) 1/50 to 1/100,000 (PAL)	1/60 to 1/100,000 (NTSC) 1/50 to 1/100,000 (PAL)	1/60 to 1/100,000 (NTSC) 1/50 to 1/100,000 (PAL)	1/60 to 1/100,000 (NTSC) 1/50 to 1/100,000 (PAL)	1/60 to 1/100,000 (NTSC) 1/50 to 1/100,000 (PAL)
	Signal Processing	Digital Signal Processing (DSP)	-	-	-	-	
	Gain Control	ACG (with on/off switch)	ACG (with on/off switch)	> 18 dB	ACG (with on/off switch)	ACG	
	Day-Night switching	-	-	-	-	Photocell-Controlled, automatic	
IR	LED Type / Wavelength	-	-	-	high-efficiency 850 nm	high-efficiency 850 nm or 940 nm	
	Night Vision Distance	-	-	-	12 m	12 m	
Electrical	Voltage Supply	12 to 24 VAC or VDC	12 to 24 VAC or VDC	12 to 24 VAC or VDC	12 to 24 VAC or VDC	12 to 24 VAC or VDC	
	Power Consumption	3 W	6 W	1.4 W max	2 W or less	4.5 W or less	
Mechanical	Construction	Die-cast aluminium / 5mm polycarbonate window	Die-cast aluminium / 5mm polycarbonate window	Injection-molded nylon / Polycarbonate window	Flame resistant VO-Margard 50 Ø mm Window	Robust aluminium casting / extrusion	
	Color	White	White	Black	Black	Blsck	
	Dimensions	286 x 138 x 95 mm	286 x 138 x 95 mm	132 x 76 mm	180 x 85 x 85 mm	89 x 91 x 222 mm	
	Weight	1.2 kg	1.4 kg	0.375 kg	0.7 kg	1.4 kg	
Environment	Operation Temperature Range	-25 °C to +60 °C	-25 °C to +60 °C	-60 °C to +60 °C	-60 °C to +60 °C	-50 °C to +50 °C (+70 °C EX27D Dessert)	
	Weather proofing	-	-	IP67, NEMA6, NEMA6P compliant	IP66 compliant	IP66 compliant, NEMA4	
Certifications	-	-	-	CSA Type 6, CSA C22.2 No 0-M1991 CSA C22.2 No 1-M94; CSA C22.2 No 94-M91 UL Std No 50 and UL Std No 2044 FCC Class B	-	-	
	-	-	-	-	-	-	
	-	-	-	-	-	-	
	-	-	-	-	-	-	
Interface	Ethernet	10/100 Base-T RJ45	-	-	-	-	
	Analog	PAL or NTSC BNC	-	-	-	-	
IP Cameras only	IP Protocols	Telnet, RTP, HTTP(S), ARP, TCP, UDP, IP, ICMP, DHCP, IGMPv2/v3, SNMP, 802.1x	-	-	-	-	
	IP Compression	MPEG-4 SP and MJPEG, up to 30 frames per second, tristream selectable	-	-	-	-	
	IP Bandwidth	Configurable from 9.6 Kbps to 6 Mbps	-	-	-	-	
	Frame Rate	1-30 FPS programmable (full motion)	-	-	-	-	
Resolution and Frame Rates	4CIF: 25/30 IPS	PAL 704 x 576 NTSC 704 x 480	-	-	-	-	
	2CIF: 25/30 IPS	PAL 704 x 288 NTSC 704 x 240	-	-	-	-	
	half D1: 25/30 IPS	PAL 352 x 576 NTSC 352 x 480	-	-	-	-	
	CIF: 25/30 IPS	PAL 352 x 288 NTSC 352 x 240	-	-	-	-	
	QCIF: 25/30 IPS	PAL 176 x 144 NTSC 176 x 120	-	-	-	-	