

IP Cameras Quick Guide



BOSCH

Invented for life

Bosch IP Cameras		General Purpose		High Resolution/High Performance				Megapixel Resolution	
									
		NWC-0455	NWD-455	NWC-0495	NWD-495	100 Series	500i Series	NWC-0700/0800	NWC-0900
Camera Information	Camera Type	Fixed Camera	Fixed Mini Dome	Fixed Camera	Fixed Mini Dome	Fixed D/N Dome	High-speed PTZ Dome	Fixed Color Megapixel	Fixed D/N Megapixel
	Camera Options	High Resolution Color	High Resolution Color	High Performance D/N	High Performance D/N	High Performance WDR High Performance D/N	18x/26x/36x D/N	2.0 MP (NWC-0700) 3.1 MP (NWC-0800)	3.1 MP Color/1.3 MP Mono
Imaging	Image Sensor Type	1/3" Interline CCD	1/3" Interline CCD	1/3" Interline CCD	1/3" Interline CCD	1/3" Interline CCD	1/4" CCD	1/2" CMOS	1/2" CMOS
	Day/Night	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
	IR Sensitive	No	No	Yes	Yes	Yes	Yes	No	Yes
	Dynamic Range (WDR)	60 dB	60 dB	90 dB	90 dB	90 dB	No	60 dB	60 dB
	Pan/Tilt/Zoom	No	No	Yes	No	No	360° continuous/107°/ 12X digital zoom	Digital PTZ	Digital PTZ
	Intelligent Video Analytics (IVA)**	Yes	Yes	Yes	Yes	No	No	No	No
	Tamper Detection	Yes	Yes	Yes	Yes	No	No	No	No
	Video Motion Detection	Yes	Yes	Yes (Multizone)	Yes (Multizone)	No	Yes	Yes (programmable mask)	Yes (programmable mask)
	Backlight Compensation	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Auto Black	Yes	Yes	Yes	Yes	Yes	No	No	No
Lens	C/CS	2.6 to 6 mm F/1.4 3.7 to 12 mm F/1.6 9.0 to 22 mm F/1.4	CS	3 to 9 mm F/1.4 9.0 to 22 mm F/1.4	2.7 to 13.5 mm F/1.4 5 to 50 mm F/1.6	18X Zoom (4.1 to 73.8 mm) F/1.4	C/CS	C/CS	
Sensitivity (lux)	Minimum Illumination (day mode)	0.3 F1.2	0.44 (2.6 to 6 mm) 0.38 (3.7 to 12 mm)	0.024* F1.2	0.032*	0.029* (2.7 to 13.5 mm) 0.042* (5 to 50 mm)	.0041*	0.5 (F1.4) - 2.0 MP 1.0 (F1.4) - 3.1 MP	1.0 (F1.4)
	Extended Sensitivity (night mode)	0.12	0.18 (2.6 to 6 mm) 0.23 (3.7 to 12 mm)	0.0038*	0.011*	0.012* (2.7 to 13.5 mm) 0.017* (5 to 50 mm)	.0007*	N/A	0.01
IP Streaming	Compression/Multistreaming	(2) MPEG-4 (1) JPEG	(2) MPEG-4 (1) JPEG	(2) MPEG-4 (1) JPEG	(2) MPEG-4 (1) JPEG	(2) MPEG-4 (1) JPEG	(2) MPEG-4 (1) JPEG	5 JPEG streams	5 JPEG streams
	Multi-resolution Windowing	No	No	No	No	No	No	Up to 8	Up to 8
	Images Per Second Color (max.)	30 @ 4CIF	30 @ 4CIF	30 @ 4CIF	30 @ 4CIF	30 @ 4CIF	30 @ 4CIF	30 @ 1280 x 1024	30 @ 1280 x 1024
	Maximum Resolution	704 x 480 (4CIF)	704 x 480 (4CIF)	704 x 480 (4CIF)	704 x 480 (4CIF)	704 x 480 (4CIF)	704 x 480 (4CIF)	1600 x 1200 (2.0 MP) 2040 x 1530 (3.1 MP)	2040 x 1530
	Hybrid (composite video output)	Yes	No	Yes	No	Yes	Yes	No	No
Communication	Ethernet	10/100 Base T	10/100 Base T	10/100 Base T	10/100 Base T	10/100 Base T	10/100 Base T	100 Base T	100 Base T
	Alarm Input/Output	1/1	No	1/1	No	1/1	7/4	No	No
	Local via Built-in OSD	Yes	Yes	Yes	Yes	No	No	No	No
Power	Input Voltage	12 VDC - 28 VAC	12 VDC - 28 VAC	12 VDC - 28 VAC	12 VDC - 28 VAC	24 VAC or 120 VAC	24 VAC or 120 VAC	12 VDC	12 VDC
	Power Over Ethernet (POE)	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Power Consumption	8W	10.5W	8W	10.5W	11.5W - 47.5W	14W - 50W	4W	4W
Environmental	Operating Temperature	14° to 104° F	14° to 104° F	14° to 104° F	14° to 104° F	14° to 122° F (Indoor) -67° to 122° F (w/XT kit)	14° to 104° F (Indoor) -76° to 122° F (w/XT kit)	32° to 104° F	32° to 104° F
	Vandal Resistant	N/A	Yes	N/A	Yes	Yes	Yes	N/A	N/A

*SensUP ON **Via license



FlexiDome IP

Perfectly designed cameras for discrete surveillance



- ▶ Vandal-resistant dome camera offers maximum protection
- ▶ Day/Night IR sensitivity or NightSense offer 24-hour security, giving you detailed images any time – day or night
- ▶ MPEG-4 compression reduces bandwidth and storage
- ▶ Direct-to-iSCSI recording reduces costs by eliminating the need for a network video recorder (NVR)
- ▶ Video Content Analysis improves detection accuracy and reduces false alarms
- ▶ PoE enabled provides easy installation and no extra power supplies
- ▶ Complete integration with Bosch Video Management Systems

Dinion IP

Flexible, high performance solutions for the most challenging locations



- ▶ 15-bit technology provides award-winning image quality
- ▶ Day/Night IR sensitivity or NightSense offer 24-hour security, giving you detailed images any time – day or night
- ▶ MPEG-4 compression reduces bandwidth and storage
- ▶ Hybrid capability offers a migration from analog
- ▶ Direct-to-iSCSI recording reduces costs by eliminating the need for a network video recorder (NVR)
- ▶ Video Content Analysis improves detection accuracy and reduces false alarms
- ▶ PoE enabled provides easy installation and no extra power supplies
- ▶ Complete integration with Bosch Video Management Systems

AutoDome Modular

Versatile, tough, high-speed PTZ cameras



- ▶ Modular camera design future-proofs your technology investment – simply update modules instead of replacing the entire camera
- ▶ Day/Night IR sensitivity or NightSense offer 24-hour security, giving you detailed images any time – day or night
- ▶ Advanced intelligence includes VCA, privacy masking and Autotrack II
- ▶ Hybrid IP capability offers a migration from analog to IP
- ▶ DVD-quality 4CIF video at 30 IPS
- ▶ MPEG-4 compression reduces bandwidth and storage
- ▶ Direct iSCSI device support for Recording at the Edge
- ▶ Complete integration with Bosch Video Management Systems

Megapixel

Ultra high definition video cameras for revealing the finest details



- ▶ Ultra high resolution results for detailed, clear images that are ideal for identification
- ▶ Day/Night operation offer 24-hour security, giving you detailed images any time – day or night
- ▶ IP connectivity lets you view and control cameras from virtually anywhere
- ▶ Replace multiple analog cameras, reducing system, installation and maintenance costs
- ▶ Digital pan/tilt/zoom (PTZ) lets operators examine all details in the scene
- ▶ PoE enabled provides easy installation and no extra power supplies
- ▶ Megapixels are part of a fully integrated solution with DiBos Hybrid DVR

FlexiDome IP Cameras

NWD-455V03-20P	Color w/ NightSense, 2.6 - 6 mm lens, PoE
NWD-455V04-20P	Color w/ NightSense, 3.7 - 12 mm lens, PoE
NWD-455V09-20P	Color w/NightSense, 9.0 - 22 mm lens, PoE
NWD-495V03-20P	Day/Night, w/ 3 - 9 mm lens, PoE
NWD-495V09-20P	Day/Night, w/ 9.0 - 22 mm lens, PoE

FlexiDome IP Accessories

VDA-NWDPMT	Pendant Pipe Mount
VDA-NWDWMT	Wall Mount
VDA-NWDCMT	Corner Mount
NWD-04X5-FS1	IVMD (Intelligent Video Motion Detection) v1.0 License
NWD-4X5-FS3	IVA (Intelligent Video Analysis) v3.X License

Dinion IP Cameras & Accessories

NWC-0455-20P	Color w/ NightSense, PoE
NWC-0455-28	Color w/ NightSense, w/2.8 to 10 mm lens
NWC-0455-28W	Color w/ NightSense, w/2.8 to 10 mm lens & mount
NWC-0455-55	Color w/ NightSense, w/5 to 50 mm lens
NWC-0455-55W	Color w/ NightSense, w/5 to 50 mm lens & mount
NWC-0495-20P	Day/Night, WDR, PoE, 60Hz
NWC-0495-28	Day/Night, WDR, w/2.8 to 11 mm IR lens
NWC-0495-28W	Day/Night, WDR, w/2.8 to 11 mm IR lens & mount
NWC-0495-75	Day/Night, WDR, w/7.5 to 50 mm IR lens
NWC-0495-75W	Day/Night, WDR, w/7.5 to 50 mm IR lens & mount
NWC-04X5-FS1	IVMD v1.0 License
NWC-04X5-FS3	IVA v3.X License

AutoDome IP Cameras

100 SERIES	Fixed Camera Systems
200 SERIES	PTZ Camera Systems
300 SERIES	Advanced PTZ Camera Systems
500i SERIES	Intelligent PTZ Camera Systems
VG4-MTRN	TCP/IP Communications Module

Go to www.autodome.com - select 'Configuration Tool' for designing your perfect AutoDome System

Megapixel Cameras & Lens

NWC-0700	2.0 MP Color, 12VDC/PoE
NWC-0800	3.1 MP Color, 12VDC/PoE
NWC-0900	Day/Night, 1.3MP Mono/3.1MP Color, 12VDC/PoE
VLM-0814-MP	MP lens, C 2/3-IN, 8 mm manual iris, f/1.4 to close
VLM-1214-MP	MP lens, C 2/3-IN, 12 mm manual iris f/1.4 to close
VLM-1614-MP	MP lens, C 2/3-IN, 16 mm manual iris f/1.4 to close
VLM-2514-MP	MP lens, C 2/3-IN, 25 mm manual iris f/1.4 to close
VLM-3V1228-MP	MP lens, C 2/3-IN, 12-36 mm manual iris f/2.8 to close
VLM-2V0414-MP	MP lens, C 1/2-IN, 4-8 mm manual iris f/1.4 to close
VLG-2V0414-MP	MP lens, C 1/2-IN, 4-8 mm direct drive f/1.4 to 360