

























# Advantage Line Quick Selection Guide

## Cameras

		▶ Megapixel					▶ Megapixel Infrared		▶ IP			▶ IP Infrared	
													
		NDC-284-PT	NDC-274-P (1) NDC-274-PT (2)	NBC-265-P	NBC-265-W	NDC-265-P	NTC-265-PI	NDN-265-PIO	NBC-225-P (1) NBC-255-P (2)	NBC-255-W	NDC-225-P (1) NDC-255-P (2)	NTC-255-PI	NDC-225-PI
Camera Type		5 Megapixel IP MicroDome	2 Megapixel / HD 1080p IP MicroDome	1 Megapixel / HD 720p IP Fixed	1 Megapixel / HD 720p Wireless IP	1 Megapixel / HD 720p IP Dome	1 Megapixel / HD 720p Infrared IP Bullet	1 Megapixel / HD 720p Infrared IP Dome	IP Fixed	Wireless IP	IP Dome	Infrared IP Bullet	Infrared IP Dome
Image Sensor Type		1/3.2" CMOS	1/2.7" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS
Day/Night		—	—	—	—	—	—	—	—	—	—	—	—
WDR		—	—	—	—	—	—	—	—	—	—	—	—
IR Sensitive		—	—	—	—	—	Yes	Yes	—	—	—	Yes	Yes
Motion Detection		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Privacy Zones		—	—	—	—	—	—	—	—	—	—	—	—
LEDs		—	—	—	—	—	32 @ 850 nm	15 @ 850 nm	—	—	—	32 @ 850 nm	32 @ 940 nm
Max. Resolution	Color	5 MP (2592 x 1944)	2 MP / HD 1080p (1920 x 1080)	1 MP / HD 720p (1280 x 720)	1 MP / HD 720p (1280 x 720)	1 MP / HD 720p (1280 x 720)	1 MP / HD 720p (1280 x 720)	1 MP / HD 720p (1280 x 720)	VGA (640 x 480)	VGA (640 x 480)	VGA (640 x 480)	VGA (640 x 480)	VGA (640 x 480)
	B/W	—	—	—	—	—	—	—	—	—	—	—	—
Min. Illumination	Color	0.3 lux	0.3 lux	1.0 lux	1.0 lux	1.0 lux	1 lux (IR off) 0 lux (IR on)	1 lux (IR off) 0 lux (IR on)	1.0 lux	1.0 lux	1.0 lux	1 lux (IR off) 0 lux (IR on)	1.0 lux
	B/W	—	—	—	—	—	—	—	—	—	—	—	—
Lens		3.74 mm Fixed	4.37 mm Fixed	2.8 - 12 mm Varifocal	2.8 - 12 mm Varifocal	2.7 - 9 mm DC Iris	2.7 - 9 mm DC Iris	2.7 - 9 mm DC Iris	4 mm Fixed (1) 2.8 - 10 mm DC iris (2)	2.8 - 10 mm Varifocal	4 mm Fixed (1) 2.8 - 10 mm DC iris (2)	3.7 - 10 mm DC Iris	4 mm Fixed
Night Vision / Infrared Range		—	—	—	—	—	82 ft	50 ft	—	—	—	82 ft	50 ft
Output Connection		Ethernet, RJ45	Ethernet, RJ45	Ethernet, RJ45	Ethernet, RJ45, IEEE 802.11b/g	Ethernet, RJ45	Ethernet, RJ45	Ethernet, RJ45	Ethernet, RJ45	Ethernet, RJ45, IEEE 802.11b/g	Ethernet, RJ45	Ethernet, RJ45	Ethernet, RJ45
Storage		microSD Card	microSD Card	SD Card	SD Card	microSD Card	SD Card	microSD Card	SD Card	SD Card	microSD Card	—	microSD Card
Environment	Operating Temp.	-4° to 122° F	-4° to 122° F	32° to 122° F	32° to 113° F	14° to 122° F	-4° to 122° F	-4° to 122° F	32° to 122° F	32° to 113° F	14° to 122° F	-4° to 131° F	14° to 113° F
	All-weather Rating	IP66	IP66 (2)	—	—	—	IP66	IP66	—	—	—	IP66	—
	Vandal Resistant	IK08	IK08 (2)	—	—	—	—	IK10	—	—	—	—	—
Power	Max. Consumption	3.9 W	3.9 W	3.36 W	3.36 W	4.1 W	6.7 W	6.72 W	3.36 W	3.36 W	4.1 W	6 W	6.6 W
	Supply	+12 VDC or PoE §	+12 VDC or PoE §	+12 VDC or PoE §	+12 VDC or PoE §	+12 VDC or PoE §	+12 VDC or PoE	+12 VDC or PoE	+12 VDC or PoE §	+12 VDC or PoE §	+12 VDC or PoE §	+12 VDC or PoE	+12 VDC or PoE §


§ Power supply is included with camera

		▶ Mini PTZ	▶ Mini Bullet	▶ MiniDome			▶ Integrated IR Dome		▶ Integrated IR Bullet				
													
		VEZ-400	VTC-204F03-4 (1) VTC-206F03-4 (2)	VDC-240V03-2 (1) VDN-240V03-2 (2)	VDC-250F04-20	VDC-260V04-20	VDN-276-20 (1) VDN-295-20 (2)	VDI-240V03-2	VDI-245V03-2 (1) VDI-245-V03-2U (2)	VTI-214F04-4	VTI-216V04-2	VTI-218V03-2	VTI-220V05-2
Camera Type		Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor	Indoor	Indoor	Indoor	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor
Image Sensor Type		1/4" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	960H, 1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Day/Night		True D/N	—	Electronic D/N (1) True D/N (2)	True D/N	True D/N	True D/N	True D/N	True D/N	Electronic D/N	True D/N	True D/N	True D/N
WDR		True WDR	—	—	—	—	DWDR (1), True WDR (2)	—	—	—	—	—	—
IR Sensitive		Yes	—	No (1); Yes (2)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes, IR Corrected
Motion Detection		Yes	—	4 Zones	4 Zones	4 Zones	4 Zones	4 Zones	64 Zones	—	—	64 Zones	64 Zones
Privacy Zones		15 Zones	—	4 Zones	4 Zones	4 Zones	4 (1), 15 (2) Zones	4 Zones	4 Zones	—	—	4 Zones	4 Zones
LEDs		—	—	—	—	—	—	20 @ 850 nm	18 @ 850 nm	30 @ 850 nm	18 @ 850 nm	18 @ 850 nm	30 @ 850 nm
Max. Resolution	Color	600 TVL	380 TVL (1) 600 TVL (2)	540 TVL	540 TVL	540 TVL	650 TVL	540 TVL	540 TVL	380 TVL	520 TVL	540 TVL	540 TVL
	B/W	—	—	580 TVL	580 TVL	580 TVL	650 TVL	580 TVL	540 TVL	380 TVL	520 TVL	540 TVL	540 TVL
Min. Illumination	Color	0.2 lux	0.5 lux (1) 0.1 lux (2)	0.05 lux	0.15 lux	0.15 lux	0.12 lux (1) 0.15 lux (2)	0.05 lux	—	—	—	—	—
	B/W	0.001 lux	—	0.005 lux	0.05 lux	0.05 lux	0.07 lux (1), 0.05 lux (2)	0 lux (IR on)	0 lux (IR on)	0 lux (IR on)	0 lux (IR on)	0 lux (IR on)	0 lux (IR on)
Lens		3.5 - 104 mm 26x optical zoom * 10x digital zoom	3.6 mm Fixed	2.8 - 10.5 mm DC Iris	3.8 mm Fixed	3.8 - 9.5 mm DC Iris	2.8 - 10.5 mm DC Iris	3.8 - 9.5 mm DC Iris	2.8 - 12 mm DC Iris	4 mm Fixed	3.8 - 9.5 mm DC Iris	2.8 - 12 mm DC Iris	5 - 50 mm DC Iris
Night Vision / Infrared Range		—	—	—	—	—	—	65 ft	60 ft	49 ft	66 ft	66 ft	150 ft
Output Connection		BNC Connector	BNC Connector	BNC Connector	BNC Connector	BNC Connector	BNC Connector	BNC Connector	BNC Connector (1) UTP (2)	BNC Connector	BNC Connector	BNC Connector	BNC Connector
Storage		—	—	—	—	—	—	—	—	—	—	—	—
Environment	Operating Temp.	-40° to 122° F **	14° to 122° F ***	14° to 122° F ***	14° to 122° F	14° to 122° F	14° to 122° F	14° to 122° F ***	-22° to 131° F	-22° to 122° F	-22° to 131° F	-22° to 122° F	-22° to 131° F
	All-weather Rating	IP66	IP67	IP66	—	—	—	IP66	IP66	IP67	IP67	IP66	IP66
	Vandal Resistant	IK10	—	Yes	—	—	—	Yes	Yes	—	—	—	—
Power	Max. Consumption	20 W, 45 W ***	3.6 W	3.6 W	3.6 W	3.6 W	3.6 W (1), 4.8 W (2)	6 W	4.5 W	4.2 W	4.2 W	6.7 W	8 W
	Supply	24 VAC	12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC	12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC

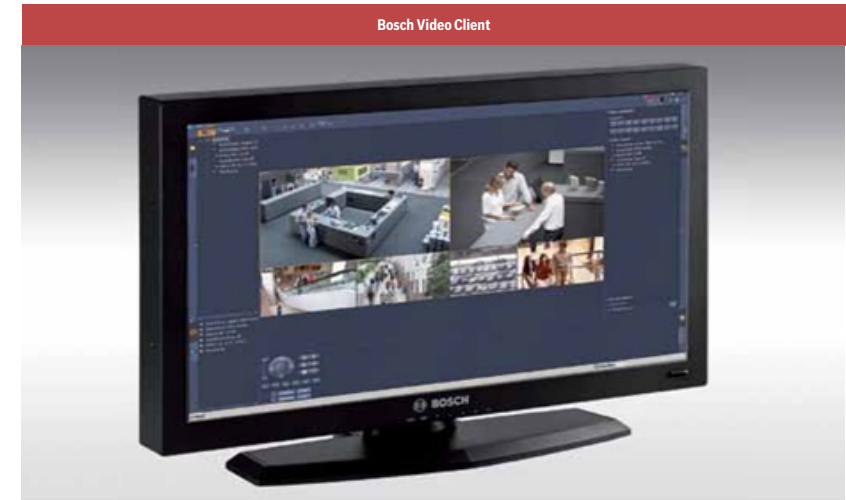
\* 30X +/- 10% Optical Zoom \*\* Heater works automatically from -40° to 50° F \*\*\* Heater on \*\*\*\* Outdoor rated housing; operating temperature dependant upon regional temperatures

# Advantage Line Quick Selection Guide

## Storage & Video Management

				
		DVR 400 Series	DVR 600 Series	
System	Target System Size	1 - 8 cameras	16 - 64 cameras	
	Operating System	Embedded	Embedded	
	Rack Mountable	No	Yes	
Video	SDK Available	Yes	Yes	
	Input Channels	4, 8	8, 16	
	Output	Looping Video	No	Yes
		Composite Outs	1	0
		VGA	1	2
Spot Monitor		1	1	
Audio	Input Channels	1	4	
	Output Channels	1	2	
	Synchronous Audio	Yes	Yes	
Alarms	Associate Multiple Cameras to 1 Audio Inputs	Yes	Yes	
	Relay Outputs	4, 8	8, 16	
	Call up Pre-position on Dome Cameras	1	4	
	Increase Frame Rate on Alarm	Yes	Yes	
	Simultaneous Normal and Event Recording	Yes	Yes	
	Multiple Camera Linking on Alarm Event	Yes	Yes	
	Notification via Email	Yes	Yes	
	Pre-alarm	Yes	Yes	
	Motion Detection	Yes	Yes	
	Video Compression	H.264	H.264	
Recording	Frame Rate (IPS); IPS per Camera	120 or 240 IPS @ CIF	240 or 480 IPS @ CIF	
	IPS per Camera	25/30 IPS @ CIF	25/30 IPS @ CIF	
	Recording Resolution	352x240 / 704x240 / 704x480	352x240 / 704x240 / 704x480	
	Individual Cameras Adjustment (IPS & Quality)	Yes	Yes	
Storage	Schedule Recording Modes	Day / Week / Specific Day / 32 Exception Days	Day / Week / Specific Day / 32 Exception Days	
	Internal HDD/Expandable	500, 1000 GB / No	500, 1000, 2000 GB / Yes	
	Export	Supported Devices Data Format	USB 1.1 and USB 2.0 Native File Format	
Search	Timeline Search Bar (Color-coded)	Yes	Yes	
	Search Mode	Date/time, Events, Motion	Date/time, Events, Motion	
	Smart Motion Search	Yes	Yes	
Disp.	Live Resolution	720x484	720x484	
	Screen Division	Full, 2x2, Sequence	Full, Sequence, 2x2, 3x2, 3x3, 4x4, 5+1, 7+1, 12+1	
Security	User Control	User Levels	3	3
		Camera Lockouts by User	Yes	Yes
		Set Viewing Permissions	Yes	Yes
	Data Integrity Check (Watermarking, etc.)	Yes	Yes	
Remote Access	Mobile Client Access	Yes	Yes	
	Web Browser Access	Yes	Yes	
	Simultaneous Accessible Users	4	4	
	Admin control	Yes	Yes	
	PTZ Control	Yes	Yes	
	Export Options	Native File Format and .AVI	Native File Format and .AVI	
Other	Instant Playback	Yes	Yes	
	Digital Zoom (Live / Playback)	Yes / Yes	Yes / No	
	PTZ Joystick Control	No	Yes	

	Model	Description
DVR 400 Series	DVR-440-04A050	440 Series Digital Recorder, H.264, 4 channel video, 1 channel audio, 500 GB HDD
	DVR-480-08A050	480 Series Digital Recorder, H.264, 8 channel video, 1 channel audio, 500 GB HDD
	DVR-480-08A100	480 Series Digital Recorder, H.264, 8 channel video, 1 channel audio, 1 TB HDD
DVR 600 Series	DVR-630-08A050	8 channel video, 4 channel audio, 500GB HDD
	DVR-630-08A100	8 channel video, 4 channel audio, 1TB HDD
	DVR-630-08A200	8 channel video, 4 channel audio, 2TB HDD
	DVR-650-08A050	8 channel video, 4 channel audio, DVD, 500GB HDD
	DVR-650-08A100	8 channel video, 4 channel audio, DVD, 1TB HDD
	DVR-650-08A200	8 channel video, 4 channel audio, DVD, 2TB HDD
	DVR-630-16A050	16 channel video, 4 channel audio, 500GB HDD
	DVR-630-16A100	16 channel video, 4 channel audio, 1TB HDD
	DVR-630-16A200	16 channel video, 4 channel audio, 2TB HDD
	DVR-650-16A050	16 channel video, 4 channel audio, DVD, 500GB HDD
	DVR-650-16A100	16 channel video, 4 channel audio, DVD, 1TB HDD
	DVR-650-16A200	16 channel video, 4 channel audio, DVD, 2TB HDD



















BVC is packaged free of charge with all Bosch IP cameras, and can be downloaded from the web. Licensing is free for up to 16 cameras. For larger systems, expansion license bundles of 1 to 112 cameras are available for purchase

	BVC-ESIP01A	1 IP Channel Expansion License
	BVC-ESIP08A	8 IP Channel Expansion License
	BVC-ESIP16A	16 IP Channel Expansion License
	BVC-ESIP32A	32 IP Channel Expansion License
	BVC-ESIP48A	48 IP Channel Expansion License
	BVC-ESIP64A	64 IP Channel Expansion License
	BVC-ESIP80A	80 IP Channel Expansion License
	BVC-ESIP96A	96 IP Channel Expansion License
	BVC-ESIP112A	112 IP Channel Expansion License





Easy to use graphical user interface, Display up to 20 HD (1080p and 720P) or SD cameras at the same time.

- ▶ Dynamic 16:9 cameo resizing
- ▶ Simultaneous viewing of live and playback streams (20 max.)
- ▶ Local recording and snapshots
- ▶ PTZ control
- ▶ Lens control and digital zoom
- ▶ Playback and export from on-camera storage and VRM
- ▶ Motion and IVA Forensic Search
- ▶ Instant replay and trick mode playback

Mounts		
	LTC 9213/01	Pole mount adapter *
	NDA-ADTI-DOME	Adaptor to mount NDC-2xx Dome cameras to an electrical box or VEZ-A4-xx wall & pipe mount
	NDA-FMT200-DOME	Flush Mount kit for NDN-265-PIO
	NDA-MBR-DOME	Bracket to mount NDC-274 Dome cameras to an electrical box
	NDA-WMT-DOME	L-shaped wall bracket for NDC-2xx and NDN-2xx Dome cameras
	VDA-FMT-IP200DOME	Flush mount kit for NDC-225-P, NDC-255-P, NDC-265-P and NDC-225-PI
	VDA-PMT-AIDOME	Indoor pipe mount for VDx-2xx analog dome cameras
	VDA-PMT-AODOME	Outdoor pipe mount VDx-2xx analog dome cameras and NDN-265-PIO
	VDA-WMT-AIDOME	Indoor wall mount for VDx-2xx analog dome cameras
	VDA-WMT-AODOME	Outdoor wall mount for VDx-2xx analog dome cameras and NDN-265-PIO
	VEZ-A4-IC	Flush mount kit for VEZ-400
	VEZ-A4-PW / PC	Pipe mount for VEZ-400. Available in white or charcoal
	VEZ-A4-WW / WC	Wall mount for VEZ-400. Available in white or charcoal
	WZMB.001	Adapter plate for mounting VTI-220 camera onto a circular electrical box

Other Hardware		
	MIC-BP3	Bi-Phase to RS-485 converter device for VEZ-400
	LTC 8786/60	RS-232 to Biphase converter with 16 Biphase outputs

\* TC9311PM3T installation banding tool recommended for use with LTC 9213/01 pole mount adapter

Power Supplies *		
	UPA-1220-60	Input 100-240 VAC, 50/60 Hz Rated Output 12 VDC, 1.0 A
	UPA-2430-60	Input 120 VAC, 60 Hz Output 24 VAC, 1.25 A, 30 VA
	UPA-2450-60	Input 120 VAC, 60 Hz Output 24 VAC, 50 VA For VEZ-400
	VG4-A-PSU1	AutoDome Remote Power Unit 120 VAC For VEZ-400

\* A 12 VDC power supply is included with all NBC-2xx and NDC-2xx IP200 Series cameras, or they can also be powered via PoE.

Compatibility Matrix					
		Wall Mount	Pipe Mount	Flush Mount	Electrical Box Mount
IP Cameras	NDC-225-P	VEZ-A4-WW and NDA-ADTI-DOME	VEZ-A4-PW and NDA-ADTI-DOME	VDA-FMT-IP200DOME	NDA-ADTI-DOME
	NDC-225-PI	VEZ-A4-WW and NDA-ADTI-DOME	VEZ-A4-PW and NDA-ADTI-DOME	VDA-FMT-IP200DOME	NDA-ADTI-DOME
	NDC-255-P	VEZ-A4-WW and NDA-ADTI-DOME	VEZ-A4-PW and NDA-ADTI-DOME	VDA-FMT-IP200DOME	NDA-ADTI-DOME
	NDC-265-P	VEZ-A4-WW and NDA-ADTI-DOME	VEZ-A4-PW and NDA-ADTI-DOME	VDA-FMT-IP200DOME	NDA-ADTI-DOME
	NDC-274-P	NDA-WMT-DOME	n/a	n/a	NDA-MBR-DOME
	NDC-274-PM	NDA-WMT-DOME	n/a	n/a	n/a
	NDC-274-PT	NDA-WMT-DOME	n/a	n/a	n/a
	NDC-284-PT	NDA-WMT-DOME	n/a	n/a	n/a
	NDN-265-PIO	NDA-WMT-DOME or VDA-WMT-AODOME	VDA-PMT-AODOME	NDA-FMT200-DOME	NDA-MBR-DOME
	Analog Cameras	VDC-240V03-2	VDA-WMT-AIDOME or VDA-WMT-AODOME	VDA-PMT-AIDOME or VDA-PMT-AODOME	n/a
VDC-250F04-20		VDA-WMT-AIDOME	VDA-PMT-AIDOME	n/a	n/a
VDC-260V04-20		VDA-WMT-AIDOME	VDA-PMT-AIDOME	n/a	n/a
VDI-240V03-2		VDA-WMT-AIDOME or VDA-WMT-AODOME	VDA-PMT-AIDOME or VDA-PMT-AODOME	n/a	n/a
VDI-245V03-2		VDA-WMT-AIDOME or VDA-WMT-AODOME	VDA-PMT-AIDOME or VDA-PMT-AODOME	n/a	n/a
VDI-245V03-2U		VDA-WMT-AIDOME or VDA-WMT-AODOME	VDA-PMT-AIDOME or VDA-PMT-AODOME	n/a	n/a
VDN-240V03-2		VDA-WMT-AIDOME or VDA-WMT-AODOME	VDA-PMT-AIDOME or VDA-PMT-AODOME	n/a	n/a
VDN-276-20		VDA-WMT-AIDOME	VDA-PMT-AIDOME or VDA-PMT-AODOME	n/a	n/a
VDN-295-20		VDA-WMT-AIDOME	VDA-PMT-AIDOME or VDA-PMT-AODOME	n/a	n/a
VEZ-400		VEZ-A4-WW / WC	VEZ-A4-PW / PC	VEZ-A4-IC	n/a
VTI-220V05-2	n/a	n/a	n/a	WZMB.001	