BOSCH

Invented for life

KBC Series Prepackaged Cameras

▶ **Pre-assembled units with camera, varifocal lens and bracket included**

▶ **Reduces installation time to the absolute minimum**

▶ **Range of color, monochrome, and day/night units**

▶ **Choice of analog or network cameras**

▶ **Varifocal lenses for on-site adjustment of field-of-view**

▶ **Bilinx bi-directional communication**

The KBC Series Indoor Camera kits provide the most economical package available for indoor applications. These units reduce the required installation time to the absolute minimum. Only the power supply and video cables need to be connected to obtain superior picture performance in virtually all indoor applications. A wall bracket is also included in the package.

The Indoor Camera kits are based on the Dinion Series of cameras. The Dinion camera range covers standard and high resolution as well as monochrome and color versions. In addition, these camera kits include a pre-assembled varifocal lens which allows the field-of-view to be adjusted on site, allowing optimum area coverage.

Each camera is equipped with Bosch's innovative Bilinx bi-directional communication for remote programming. Bilinx uses standard video cable to transmit alarm and status messages, providing superior performance and simplified installation.

The camera kit can be used in a large variety of places such as city centers, petrol stations, industrial environments, and travel and transport areas, in fact any general indoor use.

Certifications and Approvals

Electromagnetic Compatibility	
EMC Immunity	According EN50130-4
EMC Emission	According EN505022 class B
Product Safety	Complies with EN60065 KBC-455V28-10N EN60950

Parts Included

Quantity	Components
1	CCTV camera with lens, mounted and adjusted
1	Mounting bracket

Technical Specifications

For a detailed list of camera technical specifications, refer to the appropriate datasheet for additional information.

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Electrical

Model No.	Camera Type	Lens	Description
KBC-335V28-50	LTC 0335/50	LTC 3364/50	Standard Res. Mono CCIR, 2.8-10 mm
KBC-355V28-50	LTC 0355/50	LTC 3364/50	High Res. Mono CCIR, 2.8-10 mm
KBC-435V28-50	LTC 0435/50	LTC 3364/50	Standard Res. Color PAL, 2.8-10 mm
KBC-455V28-50	LTC 0455/51	LTC 3364/50	High Res. Color PAL, 2.8-10 mm
KBC-440V38-50	LTC 0440/50	LTC 3364/60	Color PAL, 3.5-8 mm
KBC-495V28-50	LTC 0495/51	LTC 3664/40	High Res. Day/Night, Color PAL, 2.8-12 mm
KBC-455V28-10N	NWC-0455-10P	LTC 3364/50	High Res. IP Color PAL, 2.8-10 mm

Model	Voltage
KBC-335V28-50, KBC-355V28-50, KBC-435V28-50, KBC-455V28-50, KBC-440V38-50, KBC-495V28-50	110-230 VAC
KBC-455V28-10N	24 VAC, 12 VDC, and PoE

Power Consumption

Most Models	4 W, excluding lens
KBC-455V28-10N	750 mA
Imager	Interline transfer CCD, 1/3-inch image format

Sensitivity	Scene Illumination (Full Video)	Scene Illumination (50 IRE)
KBC-335V28-50	0.90 lux (0.08 fc)	0.22 lux (0.02 fc)
KBC-355V28-50	0.65 lux (0.06 fc)	0.16 lux (0.02 fc)
KBC-435V28-50	2.16 lux (0.20 fc)	0.54 lux (0.05 fc)
KBC-455V28-50		
Standard	3.60 lux (0.33 fc)	0.90 lux (0.08 fc)
NightSense	1.44 lux (0.13 fc)	0.36 lux (0.03 fc)
KBC-440V38-50	4.76 (0.44 fc)	1.17 (0.11 fc)
KBC-495V28-50		
Color	3.26 lux (0.30 fc)	0.80 lux (0.07 fc)
Monochrome	n/a	0.11 lux (0.01 fc)
Sens Up	n/a	0.04 lux (0.003 fc)
Monochrome + Sens Up	n/a	0.01 lux (0.001 fc)
KBC-455V28-10N		
Standard	0.88 lux (0.08 fc)	0.40 lux (0.04 fc)
NightSense	0.35 lux (0.03 fc)	0.16 lux (0.02 fc)

Horizontal Resolution

KBC-335V28-50	380 TVL
KBC-355V28-50	570 TVL
KBC-435V28-50	330 TVL
KBC-455V28-50	540 TVL
KBC-440V38-50	480 TVL
KBC-495V28-50	540 TVL
KBC-455V28-10N	540 TVL

Output (Analog Models)

Composite video 1.0 Vpp, 75 Ohm

Output (Digital Model)

Video Standards	MPEG-4; M-JPEG
GOP Structure	I, IP
Data Rate	9.6 Kbps to 6 Mbps (const. and variable)

Control (Analog Models)

Bilinx bi-directional coaxial communication
OSD with softkey operation

Control (Digital Model)

Web browser or Configuration Manger

Lenses

	LTC 3364/50	LTC 3364/60	LTC 3664/40
Focal Length	2.8 – 10 mm	3.5 – 8 mm	2.8 – 12 mm
Iris Control Range	F1.4 – 360	F1.4 – 360	F1.4 – 360
Iris Control	DC-iris	DC-iris	DC-iris
IR Corrected	n/a	n/a	√

Mechanical

Connectors

Power	Plug
Video	BNC –connector, RJ-45 ethernet (KBC-455V28-10N)

Camera Dimensions (H x W x L)

Most Models	58 x 67 x 122 mm (2.28 x 2.64 x 4.80 in.)
KBC-455V28-10N Only	58 x 67 x 123 mm (2.28 x 2.64 x 4.84 in.)
Weight	0.4 kg (0.88 lb) approx.
Mounting Bracket	MTC-G1001

Environmental

Temperature Range

Operating Temperature	
KBC-335V28-50 KBC-355V28-50 KBC-435V28-50 KBC-455V28-50 KBC-440V38-50 KBC-495V28-50	-20°C to 50°C (-4°F to 122°F)
KBC-455V28-10N	-0°C to 40°C (-32°F to 104°F)

Storage Temperature	
KBC-335V28-50 KBC-355V28-50 KBC-435V28-50 KBC-455V28-50 KBC-440V38-50 KBC-495V28-50	-25°C to 70°C (-13°F to 158°F)
KBC-455V28-10N	-25°C to 70°C (-13°F to 158°F)

Humidity	
KBC-335V28-50 KBC-355V28-50 KBC-435V28-50 KBC-455V28-50 KBC-440V38-50	5-93% Relative (non-condensing)
KBC-495V28-50	20-93% Relative (non-condensing)
KBC-455V28-10N	20-80% Relative (non-condensing)
Delivery	The standard delivery includes: CCTV camera with lens and mounting bracket

Ordering Information

KBC-335V28-50 Monochrome CCIR camera, 2.8–10 mm varifocal lens, 380 TVL, 230 VAC, 50 Hz	**KBC-335V28-50**
KBC-355V28-50 Monochrome CCIR camera, 2.8–10 mm varifocal lens, 570 TVL, 230 VAC, 50 Hz	**KBC-355V28-50**
KBC-435V28-50 Color PAL camera, 2.8–10 mm varifocal lens, 330 TVL, 230 VAC, 50 Hz	**KBC-435V28-50**
KBC-440V38-50 Color PAL camera, 3.5–8 mm varifocal lens, 480 TVL, 230 VAC, 50 Hz	**KBC-440V38-50**
KBC-455V28-10N IP color PAL camera, 2.8–10 mm varifocal lens, 540 TVL, 24 VAC, 50 Hz	**KBC-455V28-10N**
KBC-455V28-50 Color PAL camera, 2.8–10 mm varifocal lens, 540 TVL, 230 VAC, 50 Hz	**KBC-455V28-50**
KBC-495V28-50 Day/Night PAL camera, 2.8–12 mm varifocal lens, 540 TVL, 230 VAC, 50 Hz	**KBC-495V28-50**

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