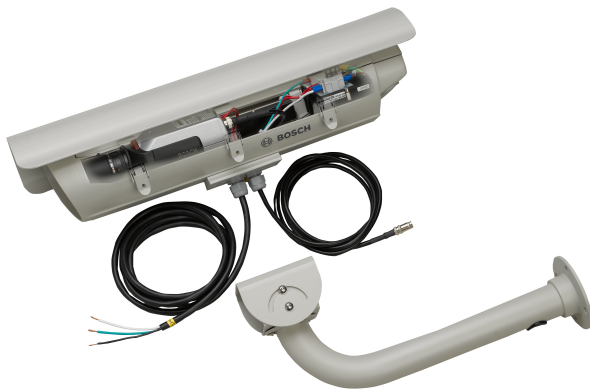




BOSCH
Invented for life

KBN and KBE Series Prepackaged Cameras



- ▶ **General purpose, high performance, and Day/Night cameras**
- ▶ **Network and analog cameras**
- ▶ **Various lens options available**
- ▶ **Bilinx bi-directional communication**
- ▶ **Indoor or outdoor versions (Outdoor IP66, NEMA 4X enclosure rating)**
- ▶ **Camera and lens are pre-wired into a Bosch housing**
- ▶ **Plug and Play design includes feed through mount and 1.5 m (5 ft) of cabling**
- ▶ **Coax, Fiber, UTP, and IP outputs**

The KBN and KBE Series Prepackaged Cameras are complete surveillance systems that include a camera and lens installed and pre-wired into a Bosch housing which includes a feed-through wall-mount.

All packages feature Bosch's signature line of Dinion, Dinion^{XF} or Dinion IP cameras. Each package offers choices of a varifocal lens to fit a wide range of surveillance applications. Outdoor models are enclosed in a Bosch housing with an IP66, NEMA 4X enclosure rating.

Dinion^{XF} Series offers 15-bit digital video processing, delivering unsurpassed picture performance under even the most difficult light and scene conditions in conjunctions with XF-Dynamic wide dynamic range, which reveals all of the details in ultra high-contrast scenes.

Dinion IP network cameras are designed to ensure the highest possible image quality at all times, providing DVD-like, high-quality MPEG-4 video, at up to 30 images per second. Dinion IP is a true hybrid camera with both Ethernet and BNC connections for network and analog video.

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 true advantage of the Bosch prepackaged cameras lie with the plug-and-play design. Installation is quick and easy, since these units include a factory-installed camera and lens with adjusted back-focus - all of which are pre-wired through the housing base. Coax and power cable (1 1/2 m or 5 ft) are fed through the included mount to the connection point.

Camera packages are also available with transmitters for sending video signals over fiber optic or unshielded twisted pair (UTP) cable.

Everything about the KBN and KBE Series Prepackaged Cameras, from the installer-friendly design, coupled with the Dinion and Dinion^{XF} Series Cameras and a wide range of options make the KBN and KBE Series Prepackaged cameras an ideal solution for every surveillance requirement.

Certifications and Approvals

Electromagnetic Compatibility (EMC)	Complies with FCC Part 15, ICES-003 and CE Regulations
Product Safety	Complies with CE Regulations, UL, CSA, EN and IEC Standards

Technical Specifications

Cameras

Imager KBx-x35/55/85/95: Interline transfer CCD
1/3 in. format

KBx-510/610/620: Interline transfer CCD
1/2 in. format

**Active Picture
Elements (H x V)** **Horizontal
Resolution**

Monochrome

KBx-335 512 x 492 380 TVL

KBx-355, KBx-385, KBx-510 582 x 494 570 TVL

Color

KBx-435 510 x 494 33 OTVL

KBx-455, KBx-485, KBx-610 768 x 492 540 TVL

Day/Night

KBx-495, KBx-620 768 x 492 540 TVL

Sensitivity (3200 K)

Full Video - lx Usable Picture (50 IRE) - lx Minimum Illumination - lx

Monochrome

KBx-335 0.48 lx 0.12 lx 0.072 lx

KBx-355 0.36 lx 0.09 lx 0.054 lx

KBx-385 0.23 lx 0.031 lx 0.031 lx

KBx-510 0.16 lx 0.021 lx 0.021 lx

Color

KBx-435 1.6 lx 0.39 lx 0.3 lx
0.12 lx

KBx-455 2.6 lx 0.65 lx 0.24 lx
NightSense 0.26 lx 0.10 lx

KBx-485 2.4 lx 0.59 lx 0.18 lx
NightSense 0.24 lx 0.08 lx

KBx-610 1.4 lx 0.35 lx 0.24 lx
NightSense 0.14 lx 0.038 lx

Day/Night

KBx-495 2.4 lx 0.59 lx 0.24 lx
Monochrome 0.08 lx 0.038 lx
SensUp Color 0.024 lx
SensUp Monochrome 0.0038 lx

KBx-620 1.4 lx 0.31 lx 0.18 lx
Monochrome 0.052 lx 0.024 lx
SensUp Color 0.018 lx
SensUp Monochrome 0.0024 lx

Sensitivity Up (495, 620) Off, automatic continuous up to 10x

Synchronization

335/355/435/455 Line-lock, crystal-lock

385/510/485/610 Line-lock, crystal-lock, Genlock

495/620 Internal, line-lock, HV-lock, and Genlock (burst lock) selectable

White Balance

335/355/385/510 N/A

435/455 Auto (2500-9000)K

485/610/495/620 ATW Auto (2500-9000)K, AWB Hold, manual WB

Electronic Shutter

335/355/435/455 Automatic, 1/60 to 1/600,000 sec.

385/510/485/610 Auto (1/60 to 1/500,000 sec.), fixed, flickerless, default

495/620 Auto (1/60 to 1/500,000 sec.), fixed, flickerless, default

AGC

335/355/435/455 21 dB (max.)

385/510/485/610 28 dB (max.)

495/620 Auto (maximum level selectable to 28 dB) or fixed level selectable

Video Output

Signal-to-Noise Composite video 1.0 Vp-p, 75 Ohm

Ratio > 50 dB

XF-Dynamic (485, 495, 610, 620)

Range 32x dynamic range enhancement

Dynamic Noise Reduction Auto, Off selectable

Contour Sharpness enhancement level selectable

BLC Off, area and level selectable

Gain Auto (maximum level selectable to 28 dB) or fixed level selectable

Connections

Video Prewired 1.5 m (5 ft) coax with female BNC connector

Power² 1 mm² (18 AWG), 3 conductor, 1 m (5 ft) wiring harness with flying leads (Brown/Blue-24 V, Green-Ground)

"N" Models Ethernet: 10/100 Base-T, auto sensing half/full duplex, RJ-45

²Power supply input terminals are isolated from video output terminals.

UTP "U" Models

Receiver UTP Passive Receivers up to 750 ft (NV-213A, NV-213 A-M)
UTP Active Receivers (NV-652R) up to 3,000 ft

Fiber Optic "F" Models

Receiver Bosch LTC 4642/60 Fiber Receiver (requires 24 VAC)

Ordering Information

KBE-385V55-20F B/W Unity Camera, Fiber Optic	KBE-385V55-20F
KBE-385V55-20U B/W Unity Camera, UTP	KBE-385V55-20U
KBE-435V28-20 Color Unity Camera	KBE-435V28-20
KBE-435V55-20 Color Unity Camera	KBE-435V55-20
KBE-455V28-20 Color Unity Camera	KBE-455V28-20
KBE-455V28-20N IP Unity Camera	KBE-455V28-20N
KBE-455V28-20 Color Unity Camera	KBE-455V28-20
KBE-455V55-20N IP Unity Camera	KBE-455V55-20N
KBE-485V28-20 Color Unity Camera	KBE-485V28-20
KBE-485V28-20F Color Unity Camera, Fiber Optic	KBE-485V28-20F
KBE-485V28-20U Color Unity Camera, UTP	KBE-485V28-20U
KBE-485V55-20 Color Unity Camera	KBE-485V55-20
KBE-485V55-20F Color Unity Camera, Fiber Optic	KBE-485V55-20F
KBE-485V55-20U Color Unity Camera, UTP	KBE-485V55-20U
KBE-495V28-20 Day/Night Unity Camera	KBE-495V28-20
KBE-495V28-20F Day/Night Unity Camera, Fiber Optic	KBE-495V28-20F
KBE-495V28-20N IP Day/Night Unity Camera	KBE-495V28-20N
KBE-495V28-20U Day/Night Unity Camera, UTP	KBE-495V28-20U
KBE-495V75-20 Day/Night Unity Camera	KBE-495V75-20
KBE-495V75-20F Day/Night Unity Camera, Fiber Optic	KBE-495V75-20F
KBE-495V75-20N IP Day/Night Unity Camera	KBE-495V75-20N
KBE-495V75-20U Day/Night Unity Camera, UTP	KBE-495V75-20U
KBE-510V41-20 B/W Unity Camera	KBE-510V41-20
KBE-510V41-20F B/W Unity Camera, Fiber Optic	KBE-510V41-20F
KBE-510V41-20U B/W Unity Camera, UTP	KBE-510V41-20U
KBE-510V75-20 B/W Unity Camera	KBE-510V75-20
KBE-510V75-20F B/W Unity Camera, Fiber Optic	KBE-510V75-20F
KBE-510V75-20U B/W Unity Camera, UTP	KBE-510V75-20U
KBE-610V41-20 Color Unity Camera	KBE-610V41-20
KBE-610V41-20F Color Unity Camera, Fiber Optic	KBE-610V41-20F
KBE-610V41-20U Color Unity Camera, UTP	KBE-610V41-20U
KBE-610V75-20 Color Unity Camera	KBE-610V75-20
KBE-610V75-20F Color Unity Camera, Fiber Optic	KBE-610V75-20F

Ordering Information

KBE-610V75-20U Color Unity Camera, UTP	KBE-610V75-20U
KBE-620V14-20 Day/Night Unity Camera	KBE-620V14-20
KBE-620V14-20F Day/Night Unity Camera, Fiber Optic	KBE-620V14-20F
KBE-620V14-20U Day/Night Unity Camera, UTP	KBE-620V14-20U
KBE-620V41-20 Day/Night Unity Camera	KBE-620V41-20
KBE-620V41-20F Day/Night Unity Camera, Fiber Optic	KBE-620V41-20F
KBE-620V41-20U Day/Night Unity Camera, UTP	KBE-620V41-20U
KBN-335V28-20 Indoor B/W Unity Camera	KBN-335V28-20
KBN-335V55-20 Indoor B/W Unity Camera	KBN-335V55-20
KBN-355V28-20 Indoor B/W Unity Camera	KBN-355V28-20
KBN-355V55-20 Indoor B/W Unity Camera	KBN-355V55-20
KBN-385V28-20 Indoor B/W Unity Camera	KBN-385V28-20
KBN-385V55-20 Indoor B/W Unity Camera	KBN-385V55-20
KBN-435V28-20 Indoor Color Unity Camera	KBN-435V28-20
KBN-435V55-20 Indoor Color Unity Camera	KBN-435V55-20
KBN-455V28-20 Indoor Color Unity Camera	KBN-455V28-20
KBN-455V55-20 Indoor Color Unity Camera	KBN-455V55-20
KBN-485V28-20 Indoor Color Unity Camera	KBN-485V28-20
KBN-485V55-20 Indoor Color Unity Camera	KBN-485V55-20
KBN-495V28-20 Indoor Day/Night Unity Camera	KBN-495V28-20
KBN-495V75-20 Indoor Day/Night Unity Camera	KBN-495V75-20

Americas:
Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
security.sales@us.bosch.com
www.boschsecurity.us

Europe, Middle East, Africa:
Bosch Security Systems B.V.
P.O. Box 80002
5600 JB Eindhoven, The Netherlands
Phone: + 31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

Asia-Pacific:
Bosch Security Systems Pte Ltd
38C Jalan Pemimpin
Singapore 577180
Phone: +65 6319 3450
Fax: +65 6319 3499
apr.securitysystems@bosch.com
www.boschsecurity.com

Represented by