KBN and KBE Series Prepackaged Cameras

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- ► Camera and lens pre-wired into a Bosch housing that includes a feed-through mount and 1.5 m (5 ft) of cabling (plug-and-play design)
- ► Choice of camera model: IP or Analog. Includes up to 2 MP/HD 1080p, general purpose or Day/Night; with varifocal lens options
- ► Flexible transmission modes: IP, coax, fiber and unshielded twisted pair (UTP)
- ▶ IP models offer quad-streaming of multiple H.264 streams and local storage for flexible recording.
- ▶ ONVIF conformant

The KBN and KBE Series Prepackaged Cameras are complete surveillance systems that are quick and easy to install thanks to their plug-and-play design. Each system includes a factory-installed camera (from Bosch's signature line of Dinion HD, DinionXF, or Dinion 2X models), a varifocal lens (with adjusted back-focus), a coax cable (for analog cameras) or Ethernet cable (for IP cameras), and a power cable (1.5 m or 5 ft) pre-wired into the housing. Outdoor housings include IP66 rating.

EFFECTIVE 20 October 2013: Some lenses are discontinued. Lens substitutions are as follows:

- LTC 3364/50 is replaced by LVF-4000C-D2812.
- LTC 3664/50 is replaced by LVF-5000C-D2811.

Please refer to the datasheets of the new lenses for more details.

| System overview | | | | |
|--|------|-------|-------------|--|
| Model No. | Lens | Mount | Description | |
| LTC 0455/21 COLOR 1/3 in. HIGH RESOLUTION, 24 VAC, 60 Hz, NTSC | | | | |

| KBN-455V28-20 | LTC 3364/50 | LTC 9215/00S | Indoor, 2.8-10 mm lens |
|---------------|----------------|-----------------|-------------------------------|
| KBE-455V28-20 | LTC 3364/50 | LTC 9215/00 | Outdoor, 2.8-10 mm lens |
| KBN-455V55-20 | LTC 3374/50 | LTC 9215/00S | Indoor, 5-50 mm lens |
| KBE-455V55-20 | LTC 3374/50 | LTC 9215/00 | Outdoor, 5-50 mm lens |

LTC 0485/21 COLOR 1/3 in. HIGH RESOLUTION, HIGH SENSITIVITY, 24 VAC, 60 Hz, NTSC

| KBN-485V28-20 | LTC 3364/50 | LTC 9215/00S | Indoor, 2.8-10 mm lens |
|---------------|----------------|-----------------|-------------------------------|
| KBE-485V28-20 | LTC 3364/50 | LTC 9215/00 | Outdoor, 2.8-10 mm lens |

| KBN-485V55-20 | LTC 3374/50 | LTC 9215/00S | Indoor, 5-50 mm lens |
|---|----------------|---------------------|---|
| KBE-485V55-20 | LTC 3374/50 | LTC 9215/00 | Outdoor, 5-50 mm lens |
| COLOR 1/2 in. HIGH RE 24 VAC, 60 Hz, NTSC LTC 0610/21 | SOLUTION, HIGH | SENSITIVITY, | |
| KBE-610V75-20 | LTC 3274/41 | LTC 9215/00 | Outdoor, 7.5-75 mm lens |
| LTC 0498/21 DAY/NIGHT 1/3 in. HIG 24 VAC, 60 Hz, NTSC | H RESOLUTION, | | |
| KBN-498V28-20 | LTC 3664/40 | LTC 9215/00 | Indoor, 2.8-10 mm lens |
| KBE-498V28-20 | LTC 3664/40 | LTC 9215/00 | Outdoor, 2.8-10 mm lens |
| KBE-498V28-20F | LTC 3664/40 | LTC 9215/00 | Outdoor, 2.8-10 mm lens, Fiber Optic |
| KBE-498V28-20U | LTC 3664/40 | LTC 9215/00 | Outdoor, 2.8-10 mm lens, UTP |
| KBN-498V75-20 | LTC 3674/20 | LTC 9215/00 | Indoor, 7.5-50 mm lens |
| KBE-498V75-20 | LTC 3674/20 | LTC 9215/00 | Outdoor, 7.5-50 mm lens |
| KBE-498V75-20F | LTC 3674/20 | LTC 9215/00 | Outdoor, 7.5-50 mm lens, Fiber Optic |
| KBE-498V75-20U | LTC 3674/20 | LTC 9215/00 | Outdoor, 7.5-50 mm lens, UTP |
| LTC 0630/21 DAY/NIGHT 1/2 in. HIG 24 VAC, 60 Hz, NTSC | H RESOLUTION, | | |
| KBE-630V41-20 | LTC 3764/20 | LTC 9215/00 | Outdoor, 4-12 mm lens |
| NBC-455-21P / NBC-49 IP COLOR 1/3 in. HIGH 24 VAC, 60 Hz, NTSC, N | RESOLUTION, | l not included), H. | 264 |
| KBN-455V28-21N | LTC 3364/50 | LTC 9215/00S | Indoor, 2.8-10 mm lens |
| | | | |

| KBN-455V28-21NV | LTC 3364/50 | LTC 9215/00S | Indoor, 2.8-10 mm lens, IVA |
|-----------------|----------------|-----------------|--|
| KBN-455V55-21N | LTC 3374/50 | LTC 9215/00S | Indoor, 5-50 mm lens |
| KBN-455V55-21NV | LTC 3374/50 | LTC 9215/00S | Indoor, 5-50 mm lens, IVA |
| KBE-455V28-21N | LTC 3364/50 | LTC 9215/00 | Outdoor, 2.8-10 mm lens |
| KBE-455V28-21NV | LTC 3364/50 | LTC 9215/00 | Outdoor, 2.8-10 mm lens, IVA |
| KBE-455V55-21N | LTC 3374/50 | LTC 9215/00 | Outdoor, 5-50 mm lens, NTSC, 24VAC, |
| KBE-455V55-21NV | LTC 3374/50 | LTC 9215/00 | Outdoor, 5-50 mm lens, IVA |

NBN-498-21P / NBN-498-22P IP DAY/NIGHT 1/3 in. HIGH RESOLUTION, 24 VAC, 60 Hz, NTSC, MicroSD slot (card not included), H.264

| KBN-498V28-20N LTC 3664/40 LTC 9215/00S Indoor, 2.8-11 mm lens KBN-498V28-20NV LTC 3664/40 LTC 9215/00S Indoor, 2.8-11 mm lens, IVA KBN-498V75-20N LTC 3674/20 LTC 1ndoor, 7.5-50 mm lens KBN-498V75-20NV LTC 3674/20 LTC 1ndoor, 7.5-50 mm lens, IVA KBE-498V28-20NV LTC 3664/40 LTC 215/00 Outdoor, 2.8-11 mm lens KBE-498V28-20NV LTC 3664/40 P215/00 Outdoor, 2.8-11 mm lens, IVA KBE-498V75-20NV LTC 3674/20 LTC Outdoor, 7.5-50 mm lens, IVA KBE-498V75-20NV LTC 3674/20 LTC Outdoor, 7.5-50 mm lens KBE-498V75-20NV LTC 3674/20 COutdoor, 7.5-50 mm lens | 24 1710, 00 112, 11100, 11 | moroop olot (oara | 1100 1110144047, 1112 | .01 |
|--|----------------------------|-------------------|-----------------------|-----------|
| Section | KBN-498V28-20N | | | 2.8-11 mm |
| Section Sect | KBN-498V28-20NV | | | 2.8-11 mm |
| 3674/20 9215/00S 7.5-50 mm lens, IVA | KBN-498V75-20N | | | 7.5-50 mm |
| XBE-498V28-20NV LTC 3664/40 9215/00 2.8-11 mm lens KBE-498V75-20N LTC 3664/40 9215/00 Outdoor, 2.8-11 mm lens, IVA KBE-498V75-20N LTC LTC Outdoor, 7.5-50 mm lens KBE-498V75-20NV LTC LTC Outdoor, 7.5-50 mm | KBN-498V75-20NV | | | 7.5-50 mm |
| 3664/40 9215/00 2.8-11 mm lens, IVA KBE-498V75-20N LTC 3674/20 LTC 9215/00 Outdoor, 7.5-50 mm lens KBE-498V75-20NV LTC LTC Outdoor, 7.5-50 mm Outdoor, 7.5-50 mm | KBE-498V28-20N | | | 2.8-11 mm |
| 3674/20 9215/00 7.5-50 mm lens KBE-498V75-20NV LTC LTC Outdoor, 7.5-50 mm | KBE-498V28-20NV | | | 2.8-11 mm |
| 3674/20 9215/00 7.5-50 mm | KBE-498V75-20N | | | 7.5-50 mm |
| | KBE-498V75-20NV | | | 7.5-50 mm |

NBN-832V-P / NBN-832V-IP HD 1080p DAY/NIGHT 1/2.7 in. HIGH DEFINITION, 24 VAC or PoE+, 50/60 Hz, MicroSD slot (card not included), H.264

| KBE-832V18-20N | VLG-2V180 3-MP5 | LTC 9215/00 | Outdoor, 1.8 - 3 mm lens, 1080p HD |
|-----------------|--------------------|----------------|---|
| KBE-832V18-20NV | VLG-2V180 3-MP5 | LTC 9215/00 | Outdoor, 1.8 - 3 mm lens, 1080p HD, IVA |
| KBE-832V38-20N | VLG-3V381 3-MP3 | LTC 9215/00 | Outdoor, 3.8-13 mm lens, 1080p HD |
| KBE-832V38-20NV | VLG-3V381 3-MP3 | LTC 9215/00 | Outdoor, 3.8-13 mm lens, 1080p HD, IVA |
| KBE-832V94-20N | VLG-4V094 0-MP5 | LTC 9215/00 | Outdoor, 9-40 mm lens, 1080p HD |
| KBE-832V94-20NV | VLG-4V094 0-MP5 | LTC 9215/00 | Outdoor, 9-40 mm lens, 1080p HD, IVA |

Functions

Superior image quality

The KBN and KBE Series cameras deliver unsurpassed picture performance under even the most difficult light and scene conditions.

1080p HD Camera

The DinionHD camera is designed to stream a high resolution 1080p video image in true HD format (16:9). The camera now brings the unmatched Dinion Image performance to HD video. With a 1/2.7-inch CMOS HD sensor, the DinionHD Day/ Night IP camera delivers outstanding image details.

Standard Definition Camera

The 20-bit digital video processing in the Dinion 2X Day/Night camera series enhances sensitivity; the 2X Dynamic extends the dynamic range. This unique combination provides a sharper, more detailed image with outstanding accuracy in color reproduction even under harsh light conditions.

Network-based control and configuration

Dinion HD and IP network cameras are designed to ensure the highest possible image quality at all times, providing high-quality MPEG-4 video, at up to 30 images per second. Dinion HD and IP models are ONVIF conformant devices that are able to exchange live video, audio, metadata, and control information.

The cameras use H.264 (Main Profile) compression, bandwidth throttling, and multicasting capabilities to manage bandwidth and storage requirements efficiently, while delivering high image quality and resolution

Bosch's innovative Quad-streaming feature enables the DinionHD to deliver three H.264 streams (a 1080p HD stream, a downscaled resolution stream, and a HD I-frame only stream) together with an M-JPEG stream. For Dinion IP standard definition cameras, quad streaming delivers three H.264 encoded streams (two 4CIF streams and an I-frame only stream) as well as a simultaneous M-JPEG stream.

Each HD and IP model also features the Motion+ video motion analysis system that is based on pixel change and includes object size filtering capabilities and sophisticated tamper-detection capabilities. The Intelligent Video Analysis (IVA) option, activated by a separate license, uses multilevel image analysis of pixels, texture, and object direction.

The IP cameras support local recording on a microSD card. This can be used for local alarm recording or for Automatic Network Replenishment (ANR) to improve the overall reliability of video recording.

Ease of installation and servicing

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

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

Everything about these Prepackaged Cameras, from the installer-friendly design to the wide range of options, makes them an ideal solution for every surveillance application.

Certifications and approvals

Electromagnetic Compatibility

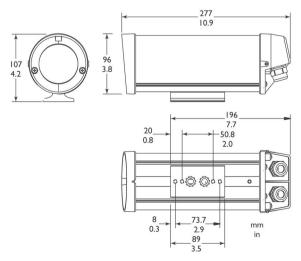
| Emission | |
|---|---|
| LTC 0435 LTC 0455 LTC 0485 LTC 0610 NBN-832V-P NBN-832V-IP | EN55022 Class B, FCC Part 15 Class B |
| LTC 0498 LTC 0630 | EN55022 Class B, FCC Part 15 Class B, EN61000-3, EN50121-4 |
| NBC-455 NBN-498 | EN55022 Class B, EN61000-3-2, EN61000-3-3, FCC Part 15 |
| | |

Immunity

| LTC 0435 LTC 0455 LTC 0485 LTC 0610 | EN50130-4 Alarm Systems, Part 4 |
|---|---|
| LTC 0498 LTC 0630 NBN-832V-P NBN-832V-IP | EN50130-4 (CE), EN50121-4 (CE) |
| NBC-455 NBN-498 | EN50130-4 (PoE, +12 VDC) EN55024 (24 VAC) EN50121-4 |
| Safety | |
| LTC 0435 LTC 0455 | UL6500 |
| LTC 0498 | UL1950-1, CSA 22.2 No. 950-1, EN60950-1 (CE), EN61000-3-2 2000 +A2:2005, EN61000-3-3 1995 +A1:2001 +A2:2005 |
| LTC 0485 LTC 0610 | UL 6500, UL CAN/CSA E60065-00 |
| LTC 0630 | UL1950-1, CSA 22.2 No. 950-1, EN60950-1 (CE), UL60950, CAN/CSA No. 60950 |
| NBC-455 NBN-498 NBN-832V-P NBN-832V-IP | EN60950-1 UL60950-1 (2nd edition) CAN/CSA-C 22.2 No. 60950-1 |
| Vibration | |
| Most models | Camera with 500 g (1.1 lb) lens as per IEC60068-2-6 (5 m/s 2 , operational) |
| | |

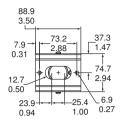
Installation/configuration notes

LTC 0610



Camera with 500 g (1.1 lb) lens as per IEC60068-2-27 (5 $\rm m/s^2$, operational)

Figure 1: Indoor Models



138.3 5.45

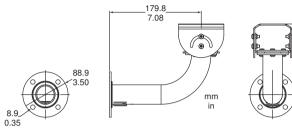


Figure 2: LTC 9215/00S Mount

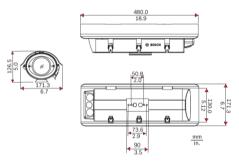
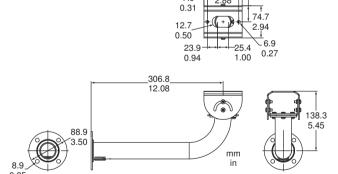


Figure: 3 Outdoor Models



88.9 3.50

7.9-

73.2

37.3 1.47

Figure 4: LTC 9215/00 Mount

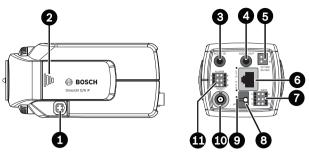


Figure 5: IP Camera Controls with MicroSD Card Slot

| 1 | Lens connector | 7 | Data (RS485/422/232) |
|---|--------------------------------|--------|---------------------------------------|
| 2 | Control buttons | 8 | MicroSD card slot (card not included) |
| 3 | Audio in | 9 | Reset button |
| 4 | Audio out | 1 | BNC video output (service mode) |
| 5 | Power supply input | 1 1 | Alarm in, relay out |
| 6 | 10/100 Base-T Fast Ethernet | | |

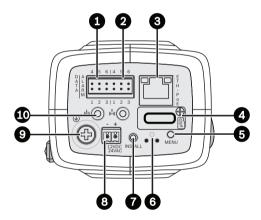


Figure 6: HD Camera Controls with MicroSD Card Slot

| 1 | Data (RS485/422/232) | 6 | Reset button |
|---|-----------------------------|-----|----------------------|
| 2 | Alarm in, relay out | 7 | Service video out |
| 3 | 10/100 Base-T Fast Ethernet | 8 | Power supply input |
| 4 | MicroSD card slot | 9 | Earth |
| 5 | Menu button | 1 0 | Audio in / Audio out |

Technical specifications

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

Cameras

| Imager | KBx-4xx: Interline transfer CCD 1/3 in. Format |
|--------|--|
| | KBx-610/630: Interline transfer CCD 1/2 in. Format |
| | KBx-832Vxx-xxxx: 1/2.7-inch CMOS |

| | Active Picture Elements (H x V) | Horizontal Resolution |
|---------------------|---------------------------------|--------------------------|
| Color | | |
| KBx-435 | 510 x 494 | 330 TVL |
| KBx-455 | 768 x 494 | 540 TVL |
| KBx-485, KBx-610 | 768 x 492 | 540 TVL |
| Day/Night | | |
| (Bx-498, (Bx-630 | 768 x 494 | 540 TVL |
| KBx-832Vxx-xxxx | 1920 x 1080 | |

| Sensitivity (3200 K) | Minimum Illumination (30 IRE) | Scene Illumination (50 IRE) |
|-------------------------|-------------------------------------|-----------------------------------|
| Color | | |
| KBx-455V28 Series | 0.40 lux (0.040 fc) | 0.88 lux (0.088 fc) |
| NightSense | 0.16 lux (0.016 fc) | 0.35 lux (0.035 fc) |
| KBx-455V55 Series | 0.40 lux (0.040 fc) | 0.88 lux (0.088 fc) |
| NightSense | 0.16 lux (0.016 fc) | 0.35 lux (0.035 fc) |
| KBx-485V28 Series | | 0.8 lux (0.074 fc) |
| NightSense | | 0.0327 lux (0.003 fc) |
| KBx-485V55 Series | | 1.18 lux (0.110 fc) |
| NightSense | | 0.0482 lux (0.004 fc) |
| KBx-498V28N Series | | 0.65 lux (0.065 fc) |
| NightSense | | 0.26 lux (0.026 fc) |
| KBx-498V75N Series | | 0.65 lux (0.065 fc) |
| NightSense | | 0.26 lux (0.026 fc) |
| KBx-610V41 Series | | 0.35 lux (0.033 fc) |

| NightConco | | | 0.010 luy |
|--|--------------------------|---|----------------------------|
| NightSense | | | 0.018 lux (0.002 fc) |
| KBx-610V75 Series | | | 0.702 lux (0.065 fc) |
| NightSense | | | 0.0361 lux (0.003 fc) |
| Day/Night | | | |
| KBE-630V14 | Series | | |
| Color | | 0.13 lux (0.013 fc) | 0.42 lux (0.042 fc) |
| Color + Sens | UP 10x | 0.013 lux (0.0013 fc) | 0.421 lux (0.0421 fc) |
| Monochrome | 2 | 0.053 lux (0.0053 fc) | 0.164 lux (0.0164 fc) |
| Monochrome | e + SensUP 10x | 0.0053 lux (0.00053 fc) | 0.016 lux (0.0016 fc) |
| KBE-630V41 | . Series | | |
| Color | | 0.0991 lux (0.0097 fc) | 0.31 lux (0.029 fc) |
| Color + SensUP 10x | | 0.00991 lux (0.0009 fc) | 0.031 lux (0.0029 fc) |
| Monochrome | | 0.0391 lux (0.0036 fc) | 0.121 lux (0.0112 fc) |
| Monochrome + SensUP 10x | | 0.00391 lux (0.00036 fc) | 0.0121 lux (0.00112 fc) |
| KBE-832Vxx | -xxxx Series | | |
| Monochrome 0.22 lux (0.022 fc) | | | |
| Monochrome + SensUP 10x | | 0.05 lux (0.005 fc) | |
| Connecti | ons | | |
| Video | Prewired 1.5 m | (5 ft) coax with fema | le BNC connector |
| Power ² | | G), 3 conductor, 1 m (G (Brown/Blue-24 V, C | |
| "N" Models | Ethernet: 10/10 RJ-45 | Ethernet: 10/100 Base-T, auto sensing half/full duplex, | |
| 2 Power 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 (| Bosch LTC 4642/60 Fiber Receiver (requires 24 VAC) | |
| TICCCIVE! | | | |

IP "N" Models

| Video Standards | MPEG-4; M-JPEG Video, H.264 (ISO/IEC 14496-10) |
|--|---|
| Data Rate | 9.6 Kbps – 6 Mbps constant & variable |
| Video Resolution | Standard Resolution: 704 x 576/480 (4CIF: 25/30 IPS) 352 x 288/240 (CIF: 25/30 IPS) High Definition: 1080p: 1920 x 1080 720p: 1280 x 720 |
| Frame Rate (Standard Definition) | 1 to 60 – H.264 1 to 30 – M-JPEG |
| Network Protocols | RTP, Telnet, UDP, TCP, IP, HTTP, ICMP, HTTPs, FTP, DHCP, IGMPV2/V3, ARP, SMTP, SNTP, SNMP, 802.1x, UPnP |
| Software Update | Flash ROM, remote programmable |
| Configuration | Using web browser or configuration manager |
| Local Storage | MicroSD card slot (card not included) |

Lenses

| Type Number | Focal Length | Iris Control Range | Iris Control |
|------------------------|-----------------|-----------------------|-----------------|
| Non-IR Corrected Lense | s | | |
| LTC 3274/41 | 2.8 – 12 mm | F1.4 – 360 | DC-iris |
| LTC 3364/50 | 2.8 – 10 mm | F1.4 – 360 | DC-iris |
| LTC 3374/50 | 5 – 50 mm | F1.4 – 360 | DC-iris |
| IR Corrected Lenses | | | |
| LTC 3664/40 | 2.8 – 11 mm | F1.4 – 360 | DC-iris |
| LTC 3674/20 | 7.5 – 50 mm | F1.4 – 360 | DC-iris |
| LTC 3764/20 | 4 – 12 mm | F1.2 – 360 | DC-iris |
| LTC 3774/30 | 10 – 40 mm | F1.4 – 360 | DC-iris |
| VLG-2V1803-MP5 | 1.8 – 3 mm | F1.8 to close | DC-iris |
| VLG-3V3813-MP3 | 3.8 – 13 mm | F1.4 to close | DC-iris |
| VLG-4V0940-MP5 | 9 – 40 mm | F1.5 to close | DC-iris |

Power

| . • • | | |
|---------------------------------------|---|--|
| Indoor Models | | |
| Analog Cameras (KBN-xxxVxx-20) | 12 to 28 VAC, 60 Hz, 4 W | |
| IP-enabled Cameras KBN-xxxVxx-20N) | 12 to 28 VAC, 60 Hz, 8 W (if not using Power over Ethernet) | |
| Outdoor Models | | |
| Analog Cameras KBE xxxVxx-20 | 21 to 28 VAC, 60 Hz, 45 W | |

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| IP-enabled Cameras KBE-xxxVxx-20N | 21 to 28 VAC, 60 Hz, 45 W |
|--------------------------------------|--|
| IP-enabled Cameras using PoE | PoE: IEEE 802.3af compliant (camera only; housing requires 40 W) |

Mechanical

| Housing | |
|---------------------|---|
| Dimensions | See figures 1 and 2. |
| Weight (approx.) | Indoor model: 2.85 kg (6.28 lb) Outdoor model: 4.1 kg (9.04 lb) |
| Construction | Aluminum housing casing, neoprene gaskets, UV- resistant polymer end caps, and all stainless steel hardware |
| Finish | Gray |

Indoor model: 3 mm (0.12 in.) thick UV-stabilized

Four (4), 8 mm (5/16 in.) diameter fasteners (not included) are required for mounting

polycarbonate Outdoor model: 3 mm (0.12 in) glass

Feed-through Mount

Window

Mounting

| Max Load | 9 kg (20 lb) |
|----------|-----------------|
| Size | 30 cm (12 in.) |
| Weight | 0.4 kg (0.9 lb) |

Environmental

Operating Temperature

| Indoor Models KBN Series Analog Cameras KBN Series IP Cameras | -20°C to +55°C (-4°F to +131°F) -20°C to +46°C (-4°F to +116°F) |
|--|--|
| Outdoor Models KBE Series Analog Cameras KBE Series IP Cameras KBE Series HD Cameras KBE Series HD Cameras, with IVA | -40°C to +50°C (-40°F to +122°F) -40°C to +46°C (-40°F to +116°F) -40°C to +55°C (-40°F to 131°F) -40°C to +50°C (-40°F to 122°F) |

Storage Temperature

| KBx-455 Series KBx-485 Series KBE-610 Series | -25°C to +70°C (-13°F to +158°F) |
|--|----------------------------------|
| KBx-455-Vxx-21N and 21NV Series KBx-498Vxx-20 Series KBx-498-Vxx-20N and 20NV Series KBE-630 Series | -40°C to +70°C (-40°F to +158°F) |
| KBE Series HD Cameras KBE Series HD Cameras, with IVA | -30°C to +70°C (-22°F to +158°F) |

Operating Humidity

| KBN-455 Series KBE-455 Series KBx-498Vxx-20N Series (IP Cameras) | 0% to 93% non-condensing |
|---|--------------------------|
| KBx-455 Series | 5% to 93% non-condensing |
| KBx-455-Vxx-21N and 21NV Series KBx-485 Series KBx-498Vxx-20 Series KBx-498-Vxx-20N and 20NV Series KBE-610 Series KBE-630 Series KBE-832V Series | 20% to 93% RH |
| Enclosure Protection | IP66, NEMA 4X |

Accessories

| Heater/Blower | Included (outdoor models only) |
|--------------------|--------------------------------|
| Sunshield | Included (outdoor models only) |
| Wall Mount | Included |
| Pole Mount Adapter | LTC 9213/01 (not included) |

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