

XPB700WDR**B/W 700TVL, Colour 580TVL,
Dynamic Night View, Super WDR,
Smart DNR for Disk Saving & Auto
Iris Varifocal Lens**

The camera housing shall be weatherproof, dustproof, corrosion resistant and water resistant.

1. General

- 1.1 The camera shall be Integrated Dynamic Night View type.
- 1.2 The camera shall operate in extreme weather conditions.
- 1.3 The camera shall have an environmentally sealed, insulated enclosure system.
- 1.4 The camera shall have Samsung DSP chip signal processing and Xvision X4 DSP Software for enhanced edge definition and detail reproduction.
- 1.5 The camera shall have a 2:1 interlaced scanning system.
- 1.6 The camera shall have Dynamic Night View technology, providing clear images without the need for IR LEDs down to 0.0003 lux.
- 1.7 The camera shall have Smart DNR (Digital Noise Reduction), reducing the noise on the image when viewing in low lux environments, this reduces the size of the image, resulting in a saving of disk space.
- 1.8 The camera shall have Super WDR (Wide Dynamic Range), providing a clear overall picture even when strong backlight or bright spots are present.
- 1.9 The camera shall be supplied with a removable rain/ sun shield.
- 1.10 The camera shall be energy efficient.
- 1.11 The camera shall operate with high reliability.

2. Performance

- 2.1 The camera shall have an Super HAD type CCD for excellent sensitivity, low smear, low streak and excellent anti-blooming characteristics.
- 2.2 The camera shall be equipped with a 5.0-50.0mm varifocal auto iris lens.
- 2.3 The camera shall have a lens viewing angle of 6 to 49°.
- 2.4 The camera shall have daytime colour mode.
- 2.5 The camera shall have daytime colour resolution of 580 horizontal lines.
- 2.6 The camera shall have a minimum illumination for daytime colour mode of 0.0003 Lux at F1.2.
- 2.7 The camera shall have nighttime B/W resolution of 700 horizontal lines.
- 2.8 The camera shall have Dynamic Night View which enables it to provide clear images in difficult lighting and in complete darkness.
- 2.9 The camera shall produce outstanding contrast characteristics for reduced glare and streaking.
- 2.10 The camera shall have an electronic shutter speed which operates between 1/50 and 1/120,000 sec.
- 2.11 The camera shall produce accurate colour representation by eliminating colour distortion.
- 2.12 The camera shall produce a signal to noise ratio of greater than 52dB (AGC off).
- 2.13 The camera shall use automatic gain control (AGC) to produce clear images by minimizing the fluctuations caused by video signals that are too strong or too weak.

3. Power Requirements

- 3.1 The camera shall have an operating voltage of 12V DC 150mA.
- 3.2 The camera shall consume no more than 1.8 watts maximum.
- 3.3 The camera shall be equipped with a 0.56m (2ft) composite cable for power and video.

4. Environmental

- 4.1 The camera housing shall be of metal construction.
- 4.2 The camera shall consist of non-corroding materials for durable use in outdoor, corrosive environments.
- 4.3 The camera housing shall be a sealed unit, capable of operation in harsh weather conditions.
- 4.4 The camera housing shall have an insulated inner chamber, eliminating the requirement for an internal heater or blower.
- 4.5 The camera housing shall be weatherproof and dustproof.
- 4.6 The camera housing shall be corrosion resistant.
- 4.7 The camera housing shall be water resistant.
- 4.8 The camera shall have an easy-access internal compartment for fast lens adjustments.
- 4.9 The camera shall have an operational temperature range of -10°C to +40°C (14°F to +104°F).
- 4.10 The camera shall have overall dimensions of 85mm (Ø) x 130mm (D) [3.34" (Ø) x 5.19" (D)].
- 4.11 The camera shall weigh 1.05 kg (2.35 lbs).

5. Model Names

- 5.1 The camera shall be Xvision model XPB700WDR.