

## COM-IR28-W/B Rugged Pan / Tilt Cameras with IR Illumination



- Vandal resistant.
- Flat toughened-glass window.
- Highly efficient, low-power IR illumination.
- LED IR technology for long life and low cost.
- 28x optical zoom.
- Quick tilt.
- Presets, tours and privacy masking.
- Day/Night operation.
- Protection class IP67.
- Built-in wiper unit.
- Multiple control protocols.

### Description

Vicon's Commander COM-IR28 series high speed PTZ Camera with IR illumination is a continuous rotation "ruggedized" PTZ camera, sealed to IP67 and designed to be installed in harsh and challenging environments or areas where the camera unit may be liable to experience physical abuse.

The optically flat glass is distortion free giving brighter clearer images at higher zoom ranges and resolutions thus allowing the camera to see further and in more detail than ever before.

The COM-IR28 PTZ camera has been cast from aluminium, hard anodised and powder coated to protect from scratching, oxidation or attack from solvents, making it vandal resistant and suitable for most applications.

The unit can be mounted inverted, upright or inclined using the Quick Tilt facility, this virtually eliminates any blind spot when mounted in the upright position.

The position of the IR LEDs ensures that the infra-red illumination moves in every direction with the camera. This allows the illumination spread and intensity to be finely matched, thus freeing you from the need to flood an entire area with unnecessary IR lighting. The use of multiple LED infra-red emitter technology ensures long life, low power, low heat generation and sufficient brightness to provide a 100 metre usable throw.

Eighteen different protocols (including two up-the-coax) are loaded as standard giving even more flexibility to existing installations without having to order special variants.

The nudge correction feature is there to protect the camera against knock and bumps in incredibly difficult environments. If the camera is forced from its current position or tour it will wait one second then immediately return to the exact position before it was knocked out of alignment without any chance of damage to gears or to the industrial quality stepper motors.

The wiper and optional wash facility on the COM-IR28 is ideal for all weather conditions. With the remote operation of the wash and optional wipe facility the operator can have clearer images from the comfort of the control room.

Ordering codes:

|                   |              |  |
|-------------------|--------------|--|
| <b>COM-IR28-W</b> | <b>10092</b> | Pan & Tilt. 28:1 Optical Zoom WDR, 530TVL colour/mono camera, with wiper. 100m Range IR LED. Vandal resistant IP67. White. |
| <b>COM-IR28-B</b> | <b>10093</b> | Pan & Tilt. 28:1 Optical Zoom WDR, 530TVL colour/mono camera, with wiper. 100m Range IR LED. Vandal resistant IP67. Black. |

|                               |  |
|-------------------------------|--|
| Video System                  | PAL  |
| Video Output                  | 1.0 V (p-p) / 75Ω (composite)  |
| Image Sensor                  | 1/4" IT CCD  |
| Horizontal Resolution         | 520 TVL  |
| Minimum Illumination (50 IRE) | 1.4 lux colour, 0.01 lux mono @ F1.6   |
| Horizontal Viewing Angle      | 1.7 - 57.8 degrees   |
| Effective Elements            | 752 (H) x 582 (V)  |
| Zoom                          | 28 x optical, 12 x digital   |
| Lens                          | 3.4 - 122.4 mm   |
| S/N Ratio                     | >50 dB   |
| Sync System                   | INT. /L.L.   |
| Gamma Characteristic          | 0.45   |
| White Balance                 | ATW, Indoor, Outdoor, One-push, Manual   |
| Backlight Compensation        | Yes  |
| Pan Rotation                  | Continuous   |
| Tilt Rotation                 | 290°   |
| Pan & Tilt speed              | > 180° per second  |
| Pan Coverage                  | 360 degrees (continuous rotation)  |
| IP Rating                     | IP67   |
| Mount Type                    | Upright, Inclined and Inverted   |
| Preset Accuracy               | 14 bit resolution encodes (0.1 degrees)  |
| Preset Positions              | 32 (256)   |
| Preset Tours                  | 16   |
| Mimic Tours                   | 4 x 1 minute mimic tours   |
| Video gain and lift           | 16 steps   |
| Preset Titling                | Yes  |
| Privacy zones                 | 24 opaque or mosaic, with separate algorithms to account for offset tilt of head unit or inverted operation (12 privacy zones if E-flip is enabled)  |
| Protocols                     | Vicon, OCP, 360 Vision, DeView, Forward Vision, Ikegami, Kalatel, Pelco D, Pelco P, Philips, Samsung, Sensomatic, CBC, Ultrak/Honeywell, VCL, Baxall DC, BBV Coax, Pelco Coaxitron, Dennard, BBV 485 |
| Controller Interface          | RS-485 half duplex data communication Coaxial Telemetry Optional   |
| Alarm                         | Supports 64 alarms on RS485 bus, external to PTZ unit  |
| Real Time Clock               | Yes  |
| Mounting Options              | 4" (101.6mm) PCD, 60mm PCD   |
| Housing Colour                | Matt Black (RAL 9011) or Matt White (RAL 9002)   |
| Power Supply                  | 20-36 V DC / 14-26 V AC  |
| Vandal Resistant              | Yes  |
| Operating Temperature         | -20°C ~ +50°C, Relative humidity 90%   |
| Operating Voltage             | 20-36 VDC / 14-26 VAC  |
| Power Consumption             | Max 30W  |
| Dimensions                    | 220(W) x 368.15(H) mm  |
| Weight                        | 7 kg   |

Features and specifications are subject to change for further improvement without any notice

Some of the supported devices listed above are not manufactured by Vicon. It is therefore possible that the protocols have been changed from the original manufacturer or are in different configurations from the units previously tested by Vicon.

Vicon recommends that a compatibility bench test prior to installation of the complete system is carried out to ensure complete functional requirement. Vicon will not be liable for any installation costs or lost revenues in the event of any compatibility problems where they occur.

Vicon Industries Ltd, Brunel Way, Fareham, Hampshire, PO15 5TX, United Kingdom  
Tel: +44 (0)1489 566300 Fax: +44 (0)1489 566322

[www.vicon-security.com](http://www.vicon-security.com)