

OBSERVANT V1

The Observant V1 is a robust, outdoor, still image camera. When combined with an Observant telemetry solution it allows photos to be taken viewed remotely via the Observant Global™ service.

Designed for low power and low bandwidth, the Observant V1 still image camera makes for a valuable addition to any Observant system. A robust CNC machined aluminium housing ensures the V1 can operate reliably in the harshest of environmental conditions. Flexible mounting options, ease of targeting and pre-terminated cabling make the Observant V1 simple to install.

When combined with the Observant Global™ service the V1 can be made to take photos on command, on a pre-determined schedule or via an external trigger.



The Observant V1 contains a focus free imaging element that is suited to a wide range of daylight conditions. It provides an image with a resolution of up to VGA (640 x 480).

The V1 is able to be connected to any Observant telemetry product via an industry standard Modbus/RS485 serial communications interface. The V1 also features a PAL video output via an RCA connector to allow instantaneous feedback when positioning and targeting the desired subject.

The V1 features Observant's standard pole/wall mounting system and cable conduit fitting. Meaning the hardware used when installing one of Observant's products can be equally applied to another. The manually adjustable pan and tilt mechanism allows targeting of the camera from a fixed vertically mounted position, allowing the cabling and conduit to be fixed in place prior to commissioning.

The Observant V1 is covered by a 1 year warranty and includes unparalleled after sales service. Please see the Observant Equipment Warranty and the Observant Support Service Level Description for full details.

PRODUCT SPECIFICATIONS

Observant V1

Mechanicals

- Weatherproof, vented, robust aluminium enclosure
- Manually adjustable orientation (pan/tilt)
- 1 W internal anti-fog heating element
- Bottom entry cable gland suitable for conduit sizes up to 25 mm in diameter
- Pole/wall mounting bracket
- Installed size: 170 mm (H) 70 mm (W) 150 mm (D)

Image sensor

- Colour still photo with IR filter (daylight only)
- Focus free
- Automatic white balance
- Adjustable resolution up to 640 x 480
- 55 degree horizontal view angle

Connectivity

- Modbus RS485 serial communications via 4-way Observant device connector (300 mm tail)
- PAL analog output via RCA connector

Power

- Provided through Observant device connector
- 12 – 15 VDC
- 30 mA (+ 100 mA when heating element active)



Example images acquired from the Observant V1