

OBSCURA-2

Video Scrambling System



Cost Effective Image Protection for Wireless Video Surveillance Links.

- **Cost effective, entry level video scrambling system.**
- **Robust static line cut and rotate video scrambling providing good picture concealment.**
- **User selectable key.**
- **DC powered with low current drain.**
- **Small, simple to install units.**
- **Ideal for safeguarding wireless links against reception by video scanners etc.**

Obscura-2 is a low-cost video scrambling system designed to protect wireless video surveillance transmissions from casual interception.

Obscura-2 utilises static line cut and rotate video scrambling offering a high level of picture concealment coupled with excellent link compatibility. To enhance security, the cut point sequence used is randomly changed each time the system is powered up.

Obscura-2 is extremely simple to install. The encoder is inserted into the video path to the transmitter whilst the decoder is connected to the output of the receiver. Only a DC supply of 7 to 32 volts is then required to operate the system. Obscura is also suitable for long term battery operation, drawing less than 50 mA from a 12 volt supply.

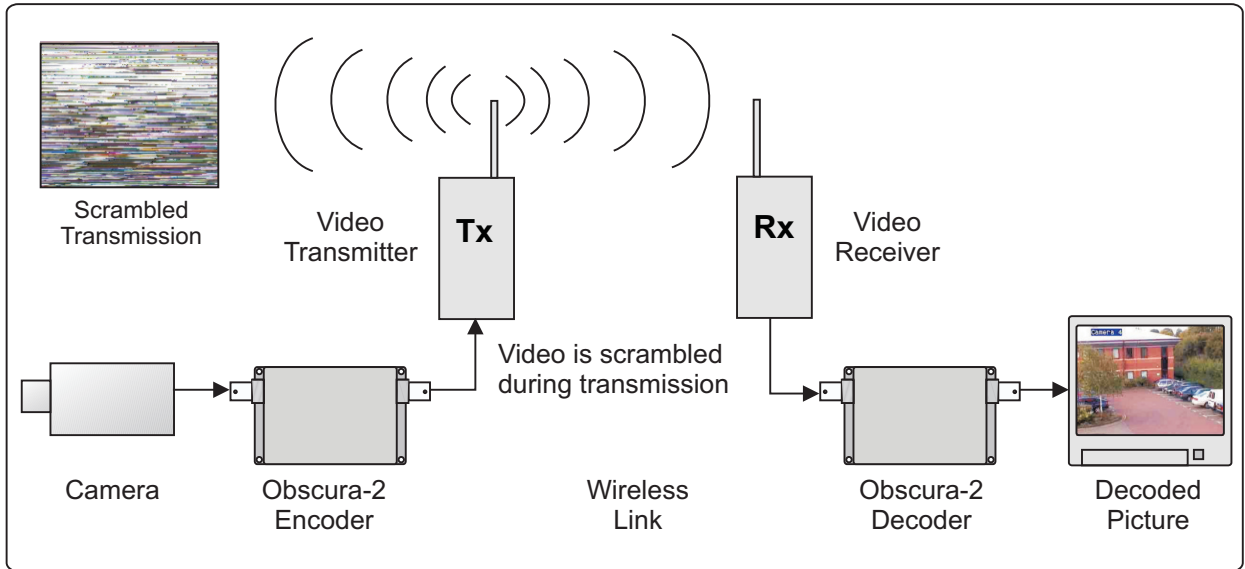
Each Obscura-2 unit includes two scrambling keys. An internal group key, allocated in the factory, and a second user key that is set by via 4 hex switches on the side of the unit. Only if both the encoder and decoder group and user keys match will the system be able to descramble the transmission.

Obscura-2 is ideal for safeguarding wireless video security links from reception by scanners and other microwave video receivers.

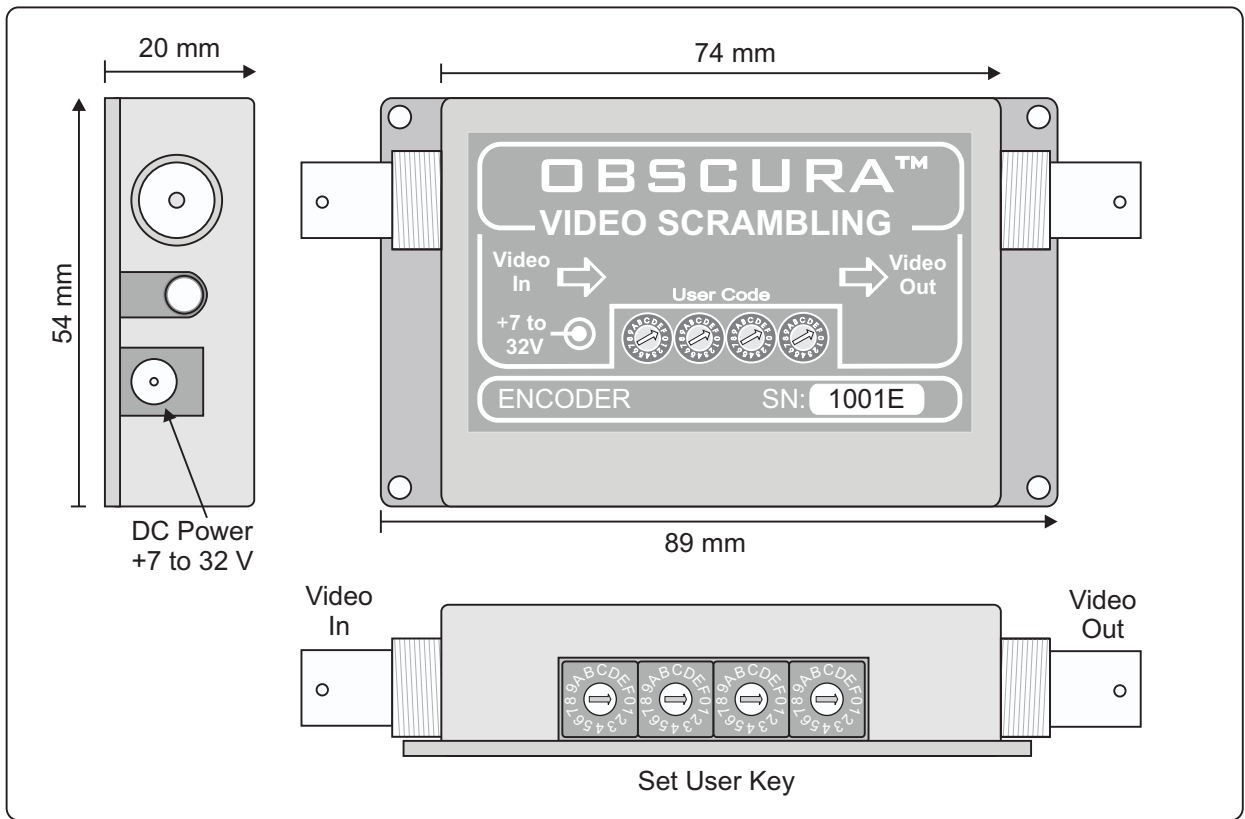


Ovation Systems Ltd
Great Haseley Trading Estate
Great Haseley
Oxfordshire, OX44 7PF, UK

Imported by Opto Vision France
Tel. 33-(0)5 61 76 51 11
Email: info@optovision.fr
Web site: www.optovision.fr



Typical Obscura Installation



Obscura Dimensions and Interfaces.

Outline Specification

General:

Operating temperature range -10 to +55°C
 Mechanical size (ex connectors) 89 x 54 x 20 mm
 Mechanical size (inc connectors) 110 x 54 x 20 mm
 Finish Anodised aluminum
 Weight (housed) 125 g
 DC power connector 2.1 mm DC Jack
 Operating voltage range 7 to 32 V DC
 Power consumption <0.6 Watts (< 50 mA at 12 V DC)
 Standard accessories User guide, DC lead

Video:

Video standards supported PAL & NTSC (625 & 525 lines)
 Video Input / output levels 1 Vpp into 75Ω
 Lock-in time < 0.5 second
 Scrambling method Line cut and rotate
 Encryption Fixed sequence with random start point
 Signal to noise > 55 dB weighted

Audio:

Not supported