

XOSD3W1

Analog Video Transmitter

On Screen Display + Video Transmitter

2.4Ghz / 1000mW / 4Ch RC / 1 Port MAVLINK Telemetry / 2 INP Camera

Total immersion in flight!

On the video monitor, you can see all instruments of a aircraft:
Flight data, Alarms, Battery Status,
Flight modes, Altitude and above all the
XLRs and Mavlink telemetry.



FEATURES

- 4 RC Channels.**
- 2 RCBUS:** RX or 2nd XOSD serial communication.
- 2 Input Cameras:** Video PAL, selection (5V or 12V).
The video cameras can be powered from 3V to 20V.
- 1 Input for Mavlink Telemetry.**
- 1 Microphone.**
- 1 Thermostat with Fan.**
- 1 Selector Camera.**
- 1 Red Led:** Synchronism.
- 1 Blue Led:** Camera 1.
- 1 Blue:** Led Camera 2.
- 1 Connector antenna:** MMCX Female.

Control XOSD functions from XLRs Transmitters:

Connect XOSD through RCBus port to RX XLRs and in flight from the TX XLRs you can change some parameters of XOSD:

Change page, select camera, brightness level, pixel level, volume.

Prepared for redundancy and control of 4 cameras:

You can use 2 XOSD connected through RCBus, control 4 video cameras and display two simultaneously.

Compatible with:

RC RX: RMD1, RXD2, RXD3, RXLRs.
Video RX: RXVID, RXVID2, RXVID3.
Autopilots: The telemetry port only works with autopilots that use Mavlink protocol.

TECHNICAL SPECIFICATIONS XOSD3:

Pages: 3 selectables and configurables.
Character sizes: 3. 64x32 | 41x32 | 31x32.
Configurable Alarms: Yes.
Units of measure: Metric or Imperials.
Power Instruments: Batteries, Voltage, RPM, etc.
Flight Instruments: GPS, Flight Time, etc.
Navigation Instruments: Distance, Course, etc.
XLRs Instruments: RSSI, Noise Level, etc.

Objects configurable from DMDStudio, configure the pages to your liking.

SPECIFICATIONS VIDEO TRANSMITTER:

Frequency: 2.4Ghz.
Potency: 1000mW (+30dB).
Channels: 8.
Ch1: 2414Mhz | **Ch2:** 2432Mhz | **Ch3:** 2450Mhz
Ch4: 2468Mhz | **Ch5:** 2490Mhz | **Ch6:** 2510Mhz
Ch7: 2390Mhz | **Ch8:** 2370Mhz
Voltage: 5V. Min 4.5V. Max 6Vcc.
Consumption: Standby 50mA.
Max. 750mA.
Working Temperature: 10°C ~ +85°C (CPU).
Ambient Temperature: -10°C to +50°C.
Connectivity: RC, RCBus.

Upgradable and Configurable: DMDStudio Soft.
Compatible: ALPHA Commands and DMD devices.

Dimensions: 82,25 x 26,85mm x 33,25mm.
Weight: 58g.
Box: Plastic and fiber base 2mm.

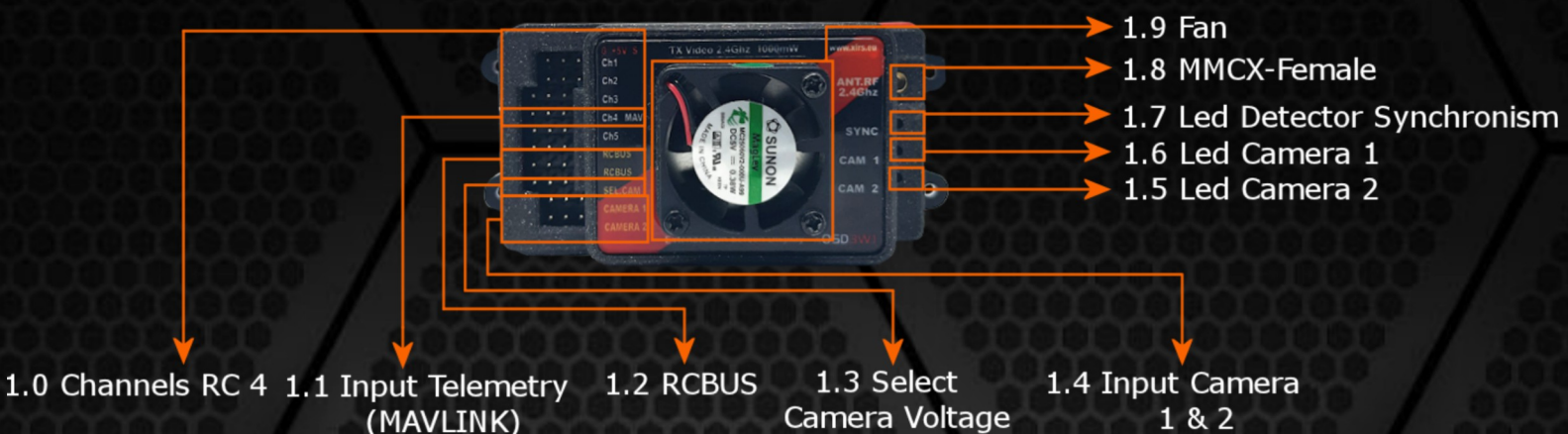
**The images shown on this page are only referential and may differ from the final products.*

**Some product features are optional.*

**Consult regulations in your country. Not for use in UE.
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XOSD3W1

Connections



1.0- RC Channels: 4 Multifunction outputs for RC servos. CH12, CH13, CH14 and CH16.

1.1- Input telemetry for Mavlink Protocol.

1.2- RCBUS: Serial communication RX XLRs or others XLRs devices.

1.3- Camera voltage selector. Jumper for 5V.

1.4- Camera input 1 and 2. (0V, Vcc, PAL).

1.5- Led Power Camera 1.

1.6- Led Power Camera 2.

1.7- Led Detector Synchronism.

1.8- Connector Antenna: MMCX-Female for Video.

1.9- Micro Fan.

CH1 corresponds to CH12 or servo 12 of the receiver.

CH2 corresponds to CH13 or servo 13 of the receiver.

CH3 corresponds to CH14 or servo 14 of the receiver.

CH4 it is used as data input (TELEM2) Mavlink of autopilots like: Pixhawk, APM, etc. 38400b by default.

CH5 corresponds to CH16 or servo 16 of the receiver.

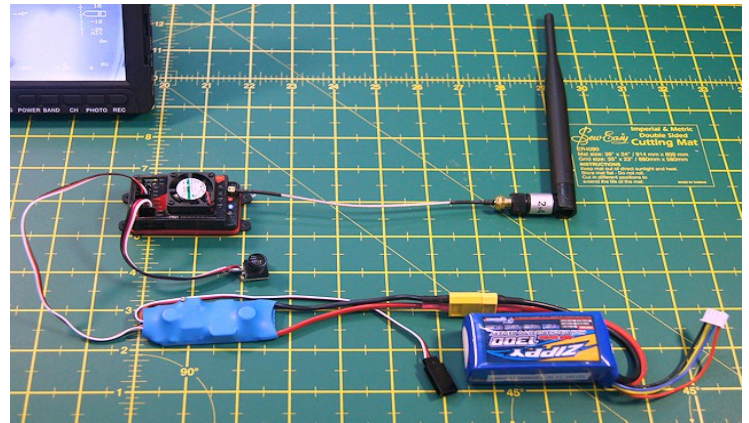
The channel of the Servo 15 is used to control the OSD.

**Some product features
are optional.*

XLRs
EXTENDED
www.xlrs.eu

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- **XOSD3W1 Manual:**
 - Introduction XOSD3W1.
 - First steps (Quick guide).
 - XLRs connection diagrams.



- **DMDStudio Manual.**



- **Learn more about:**
 - Control from XPAD or PC and servos in XOSD.
 - Connection and configuration XLRs system (RX and XOSD) with Pixhawk and Mission Planner.
 - Configuration control XOSD commands from XPAD.
 - Servo configuration XOSD.
- **More information here:**
 - Manuals XVID3.

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