



RVIP-PSU-48V INSTALLATION SHEET

48VDC input PSU with 24VDC output, suitable for powering Redvision X-Series IP cameras over extended cable runs. Compatible with the following X-SERIES cameras:

RV30-720 variants

RV30-1080 variants

Install

Isolate PSU from Power source at all times during installation.

Fixing the PSU

Remove the PSU lid by releasing the 4 plastic fixings. Fix the PSU with 4 suitable fixings in the 4 corner access holes (fixing screws not supplied). Glands must face downwards; all unused glands must be sealed.

Electrical Connections

Input 48VDC 100W (minimum)

Input Power Connections		
PCB ID	48VDC IN	TYPE
+	+ 48VDC via 2-way connector	1mm ² Core min. Maximum cable loop resistance 7Ω
-	0V via 2-way connector	1mm ² Core min. Maximum cable loop resistance 7Ω
EARTH	Earth Terminal Screw	

EARTH CONNECTION REQUIRES 4mm RED SPADE LOOP (SUPPLIED WITH PSU) TO BE FITTED BY ENGINEER AT INSTALLATION. SAFETY: ENSURE MAINS INPUT AND EARTH CONNECTIONS ARE SECURELY STRAIN RELIEVED.

Camera Connections

Pin No.	Wire Colour	Signal
1	Blue	Tx N
2	Blue/White	Tx P
3	Orange	Rx N
4	Orange/White	Rx P
5	Red	24VDC
6	Black	GND

Fuse Protection

F1	3.15A Anti-Surge
F2	3.15A Fast-Blow

Network Connection

Ethernet 100BASE-T for connection; Cat5e, wired to T568A or T568B. Cable length between PSU and Network Switch is **50m** maximum.