



RVX-PSU-48V INSTALLATION SHEET

48VDC input PSU with 24VDC output, suitable for powering Redvision X-Series analogue cameras over extended cable runs.

Compatible with the following X-SERIES cameras:

RVX20: all variants

RVX30: all 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	CABLE 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	
PCB ID	UMBILICAL
0V	Black & Cable Screen
24VDC	Red
RS-485 B	Orange
RS-485 A	White
V_GND	Coaxial Screen
VIDEO	Coaxial signal (BNC P7)

Control Connections	
PCB ID	EXTERNAL
RS-485 B	RS-485 B
RS-485 A	RS-485 A
V_GND	Coaxial Screen
VIDEO	Coaxial signal (BNC P6)

Fuse Protection

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

WARNING:

Only use REDVISION supplied umbilical cables. Warranty will be void if the cables are extended between the camera and PSU, this could also compromise safety.