MIC Series Power Supplies (Standard)

www.boschsecurity.com

BOSCH
Invented for life

- Provide all connections for power, telemetry and video for the MIC series of PTZ cameras.
- Weather-resistant, cast-aluminum IP65 enclosure with weather-proof, ½ in. NPT, M16, and M12 cable glands.
- MIC-24PSU-2, MIC-115PSU-2, and MIC-240PSU-2 models have dual video outputs.
- Integrated header for addition of ancillary cards such as the MIC alarm card, washer pump drive card or bi-phase converter card.
- Ground isolation and termination to control video grounding and to prevent ground loops.

A full range of MIC Series power supply units (PSUs) from Bosch Security Systems provides all connections for power, telemetry and video for the MIC series range of PTZ cameras. These PSUs ensure that MIC cameras can be installed in a variety of locations, including low voltage and mobile applications.
Each power supply has UL, CE, and FCC approval, is rated to IP65, supports 50/60 Hz, and comes in a selection of input voltages. The PSU housing also has slots for optional cards, such as the 8-channel alarm card including washer pump drive (MIC-ALM).

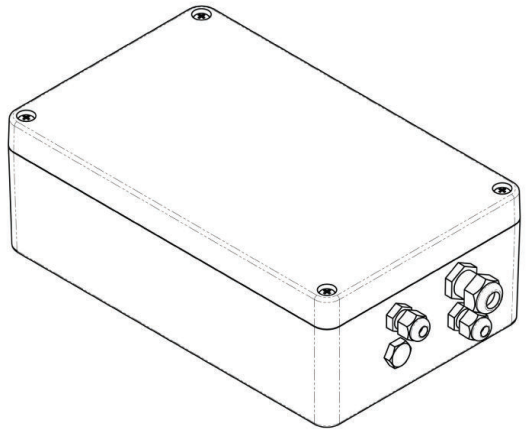
System overview

Certifications and approvals

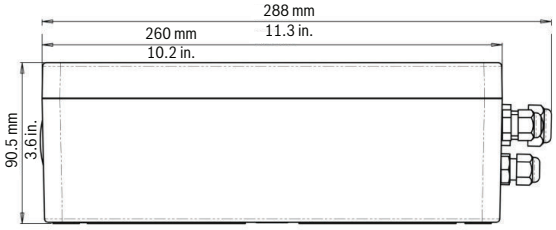
Electromagnetic Compatibility (EMC)	Complies with FCC Part 15 and ICES-003 regulations
Product Safety	Complies with UL (UL 2044), CSA Standards (CSA Standard C22.2 No. 1-98), and CE
Ingress Protection Rating	IP65

Region	Certification	
Europe	CE	EC Declaration of Conformity (MIC-24PSU-UL, MIC-240PSU-UL, MIC-IR-24PSU-UL, MIC-IR-240PSU-UL) (March 2010)
USA	UL	60950-1, 2nd Edition:2007
	FCC	CFR 47 FCC Part 15:2009 Class B
Canada	CSA	CAN/CSA-22.2-No. 60950-1-07

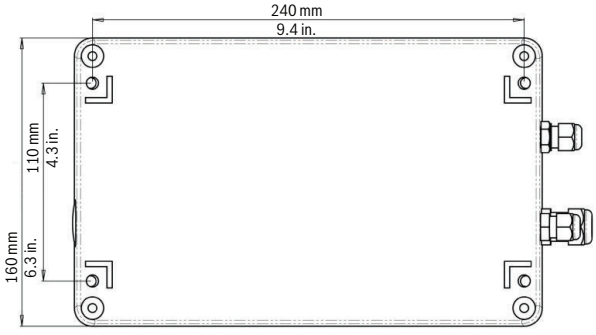
Installation/configuration notes



Power Supply Box – full view



Power Supply Box – side view



Power Supply Box – bottom view

Technical specifications

Mechanical

Dimensions (H x W D)	Enclosure: 90 x 160 x 260 mm (3.54 x 6.3 x 10.24 in.) With glands: 90 x 160 x 288 mm (3.54 x 6.3 x 11.34 in.)
Form Factor (four screw holes)	110 x 240 mm (4.3 x 9.4 in.)
Weight	Non-IR PSUs: 3.24 kg (7.14 lb) IR PSUs: 3.75 kg (8.27 lb)
Material	Powder-coated cast-aluminum, rated IP65
Color	RAL 9010 (Pure White)
Optional accessories	MIC-ALM (8-input alarm card) MIC-WKT (washer pump kit) MIC-WKT-IR (washer pump kit for IR models) MIC-BP3 (Biphase card) MIC-BP4 (Biphase card)

Electrical

Model	Voltage / Power Input , Output @ 50/60 Hz
Non-IR Power Supply Units Applicable Cameras: MIC400ST, MIC440, MIC550, MIC612 (Legacy: MIC400AL, MIC412, MIC500)	
MIC-24PSU-2	Input: 24 VAC, 1.4 A
	Output, Camera: 18 VAC, 950 mA
	Output, Heater: 18 VAC, 600 mA
MIC-115PSU-2	Input: 115 VAC, 300 mA
	Output, Camera: 18 VAC, 950 mA
	Output, Heater: 18 VAC, 600 mA
MIC-240PSU-2	Input: 230 VAC, 150 mA
	Output, Camera: 18 VAC, 950 mA
	Output, Heater: 18 VAC, 600 mA
IR Power Supply Units Applicable Cameras: MIC550IR (Legacy: MIC400IR)	
MIC-IR-24-PSU-UL	Input: 24 VAC, 2.6 A
	Output, Camera: 18 VAC, 950 mA
	Output, IR: 0 – 26 VDC, 1A
MIC-IR-114PSU-UL	Input: 115 VAC, 600 mA
	Output, Camera: 18 VAC, 950 mA
	Output, IR: 0 – 26 VDC, 1A
MIC-IR-240PSU-UL	Input: 230 VAC, 230 mA
	Output, Camera: 18 VAC, 950 mA
	Output, IR: 0 – 26 VDC, 1A

Environmental

Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Storage Temperature	-40 °C to +65 °C (-40 °F to +149 °F)

Ordering information

MIC-24PSU-2 MIC Power Supply Unit, 24VAC, 50/60 Hz
24 VAC, 50/60 Hz power supply with two video outputs for MIC Series cameras.
Order number **MIC-24PSU-2**

MIC-115PSU-2 MIC Power Supply Unit, 120VAC, 50/60 Hz
115 VAC, 50/60 Hz power supply with two video outputs for MIC Series cameras.
Order number **MIC-115PSU-2**

MIC-240PSU-2 MIC Power Supply Unit, 230 VAC, 50/60 HZ
230 VAC, 50/60 Hz power supply with two video outputs for MIC Series cameras.
Order number **MIC-240PSU-2**

MIC-IR-24PSU-UL 24 VAC Camera/IR Power Supply
24 VAC, 50/60 Hz power supply for MIC Series cameras with Infrared Illuminators
Order number **MIC-IR-24PSU-UL**

MIC-IR-115PSU-UL 115 VAC Camera/IR Power Supply
115 VAC, 50/60 Hz power supply for MIC Series cameras with Infrared Illuminators
Order number **MIC-IR-115PSU-UL**

MIC-IR-240PSU-UL 240 VAC Camera/IR Power Supply
230 VAC, 50/60 Hz power supply for MIC Series cameras Infrared Illuminators
Order number **MIC-IR-240PSU-UL**

Accessories

MIC Cable 2M
2 meter (6.56 ft) composite cable with plug for power, data and video for MIC Series cameras
Order number **MIC-CABLE-2M**

MIC Cable 10M
10 meter (32.81 ft) composite cable with plug for power, data and video for MIC Series cameras
Order number **MIC-CABLE-10M**

MIC Cable 20M
20 meter (62.62 ft) composite cable with plug for power, data and video for MIC Series cameras
Order number **MIC-CABLE-20M**

MIC Cable 25M
25 meter (82.02 ft) composite cable with plug for power, data and video for MIC Series cameras
Order number **MIC-CABLE-25M**

MIC Thermal Cable 2M
2 meter (6.56 ft) composite cable with plug for power, data and video for MIC Series thermal cameras
Order number **MIC-THERCBL-2M**

MIC Thermal Cable 10M
10 meter (32.81 ft) composite cable with plug for power, data and video for MIC Series thermal cameras
Order number **MIC-THERCBL-10M**

MIC Thermal Cable 20M
20 meter (62.62 ft) composite cable with plug for power, data and video for MIC Series thermal cameras
Order number **MIC-THERCBL-20M**

MIC Thermal Cable 25M
25 meter (82.02 ft) composite cable with plug for power, data and video for MIC Series thermal cameras
Order number **MIC-THERCBL-25M**

MIC-BP3 Biphase Converter
Biphase converter for IR power supplies or non-IR power supplies without a free expansion slot available
Order number **MIC-BP3**

MIC-BP4 Biphase Converter
Biphase converter for non-IR versions of MIC series power supply units
Order number **MIC-BP4**

MIC-ALM Alarm and Washer Pump Drive Card
8 Input alarm and washer pump drive card for PSU (Not for IR PSU)
Order number **MIC-ALM**

MIC-WKT Washer Kit
Washer kit for non infrared MIC models (includes washer pump drive card, washer nozzle and mounting brackets for wall and 4 in. PCD base)
Order number **MIC-WKT**

MIC-WKT-IR Washer Kit
Washer kit for infrared power supplies only (includes washer nozzle and mounting brackets for wall or 4 in. PCD base)
Order number **MIC-WKT-IR**

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