



FCC Statement:

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

US Responsible Party	Brigade Electronics Inc
Address	1976 W Tyson Rd, Portland, IN 47371, United States
Contact Information	+1 (260) 766-4343 sales@brigade-inc.com
Website	https://brigade-electronics.com/en-us/

ISED Statement:

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

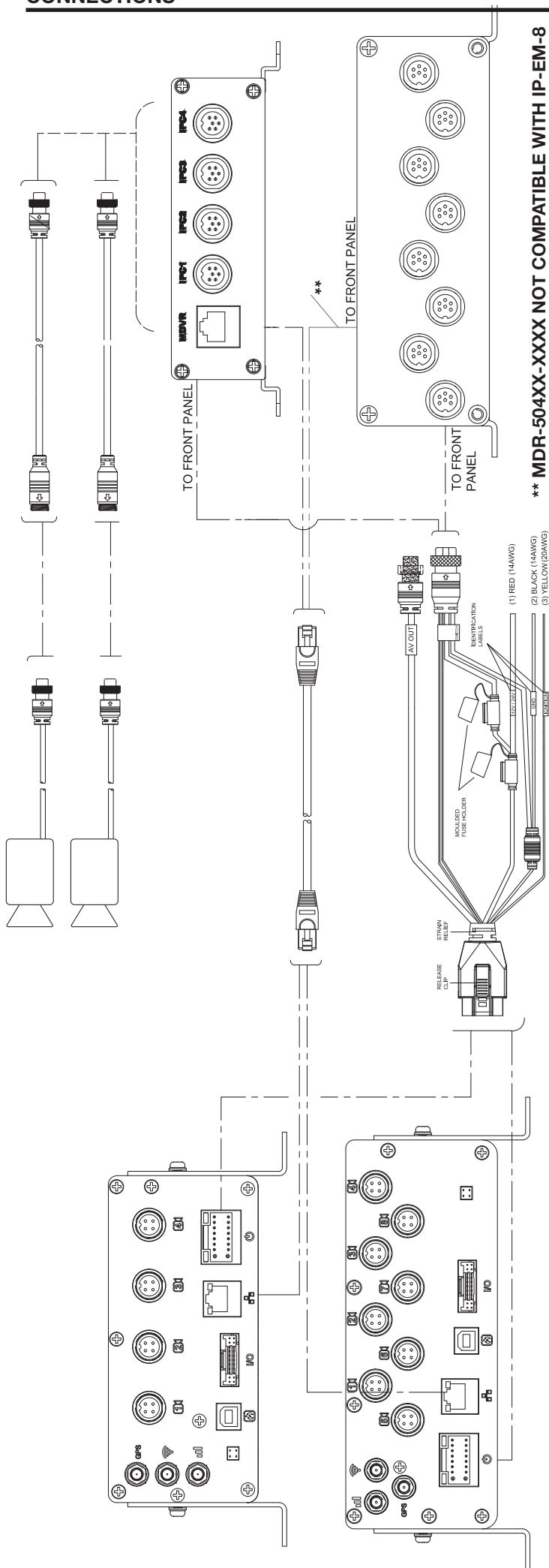
- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- 1) L'appareil ne doit pas produire de brouillage;
- 2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Canada Responsible Party	Brigade Electronics Canada
Address	c/o Dentons Canada LLP, 20th Floor, 250 Howe Street Vancouver, BC V6C 3R8, Canada
Contact Information	905-319-9993 contact@brigade-electronics.ca
Website	https://brigade-electronics.com/en-ca/

CONNECTIONS



**** MDR-504XX-XXXX NOT COMPATIBLE WITH IP-EM-8**

SPECIFICATIONS - PON Switches

IP-EM4 and IP-EM8	
SHOCK RATING:	3G
VIBRATION RATING:	8.5G
PON SWITCH IP RATING:	IP30
OPERATING TEMPERATURE:	-40° to +70°C
STORAGE TEMPERATURE:	-40° to +85°C
APPROVED STANDARDS	CE - (Directive: 2014/30/EU EN 55032:2015+A11:2020 / EN 55035:2017+A11:2020) FCC (47 CFR Part 15 Subpart B) Industry Canada (ICES-003) EN IEC 63000:2018. WEEE
OPERATING VOLTAGE:	12V dc / 24V dc
POWER CONSUMPTION:	≤3 Watts (PON switch only)
OUTPUT VOLTAGE (PER CHANNEL):	12V dc Nominal
OUTPUT POWER (PER CHANNEL):	7W Max.
HOUSING MATERIAL:	Aluminium / Steel / PC
FINISH:	Black

IP-EM4		IP-EM8	
VIDEO INPUTS:	4 x IP Cameras	VIDEO INPUTS:	8 x IP Cameras
LAN Port:	1 x 10/100M	LAN Port:	1 x 1000M
ASSEMBLED WEIGHT:	812 Grams	ASSEMBLED WEIGHT:	1022 Grams
OVERALL DIMENSIONS: (WxHxD)	149mm x 43.5mm x 127mm	OVERALL DIMENSIONS: (WxHxD)	174mm x 54mm x 129.5mm
FUSE:	7.5A	FUSE:	15A

The PON Switch allows you to connect more than one IP camera to an MDR.

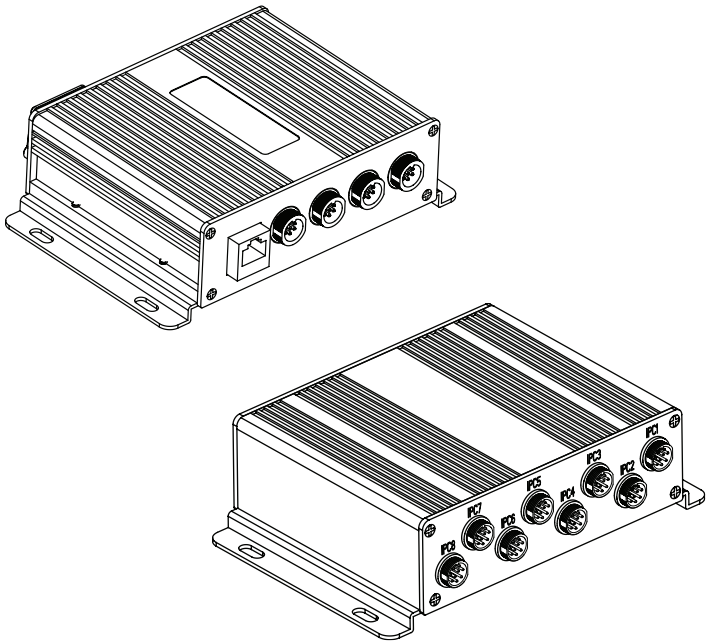
(Refer to MDR installation guide for MDR fuses)

Part Number 6015A

Brigade

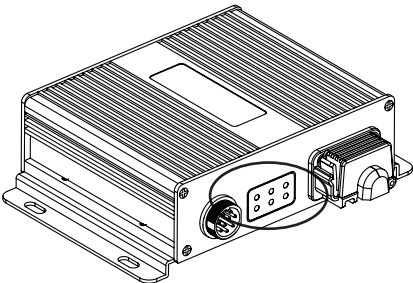
PON Switches

Quick installation Guide



IP-EM4/8-IG

4-PORT AND 8-PORT PON SWITCHES



IP-EM4

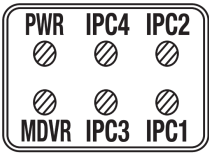
- Expands the capability of all MDR series except MDR-641. Please refer to each model's specification for supported features
- VBV Type Female Connector (6-pin)
- Status LED Indicators for power, video inputs and MDR connectivity

Package Contents:

- 1 x IP-EM4-SW - 4-Port Switch
- 1 x IP-EM-PC - Power Cable
- 1 x IP-EC-1 - Ethernet Cable - 1 meter
- 1 x IP-EM4/8-IG - Installation Guide

Optional Ancillaries:

- IP-EC-5 - Ethernet Cable - 5 meter



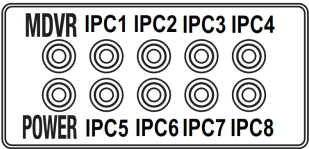
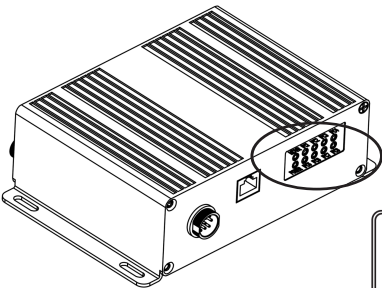
LED Status Indicator

- POWER / PWR
- IPC1 ~ IPC8 IP

Description

- Red LED
- Green LED
- Slow Flash: IP camera is connecting to MDR.
- Fast flash: IP camera is communicating with MDR.
- OFF: IP camera is not connected.
- ON: IP camera is connected but no communication with MDR.
- Green LED
- Slow Flash: Data connection is being established.
- Fast flash: IP camera is communicating with MDR.
- OFF: MDR is not connected.
- ON: MDR is connected but no data transmission.

MDVR



IP-EM8

- Expands capabilities for MDR-508, MDR-644, and future MDR models. Please refer to each model's specification for supported features
- VBV Type Female Connector (6-pin)
- Status LED Indicators for power, video inputs and MDR connectivity

Package Contents:

- 1 x IP-EM8-SW - 8-Port Switch
- 1 x IP-EM-PC - Power Cable
- 1 x IP-EC-1 - Ethernet Cable - 1 meter
- 1 x IP-EM4/8-IG - Installation Guide

Optional Ancillaries:

- IP-EC-5 - Ethernet Cable - 5 meter