

VIEW A

2-PIN MALE
MATING FACE

PIN#	DESCRIPTION
1	GPS_ANT
2	GND

VIEW B

2-PIN MALE
MATING FACE

PIN#	DESCRIPTION
1	WIFI_ANT
2	GND

VIEW C

4-PIN MALE
MATING FACE

PIN#	DESCRIPTION
1	4G_MAIN_ANT
2	4G_DIV_ANT
3	NC
4	NC

VIEW D

4-PIN MALE
MATING FACE

PIN#	DESCRIPTION
1	12V
2	GND
3	AUDIO
4	VIDEO

VIEW E

4-PIN MALE
MATING FACE

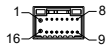
PIN#	DESCRIPTION
1	CAN1_H
2	CAN2_L
3	CAN2_H
4	CAN1_L

VIEW G

24-PIN MALE
MATING FACE

PIN#	DESCRIPTION	PIN#	DESCRIPTION
1	INPUT-1	13	INPUT-7
2	5V	14	RWATCH_485_B
3	INPUT-2	15	INPUT-8
4	GND	16	OUTPUT-1
5	INPUT-3	17	SPEED SIGNAL
6	485_A	18	OUTPUT-2
7	INPUT-4	19	SPEED GND
8	485_B	20	GND
9	INPUT-5	21	GND
10	GND	22	I_BUTTON
11	INPUT-6	23	12V_OUT
12	RWATCH_485_A	24	12V_OUT

VIEW H

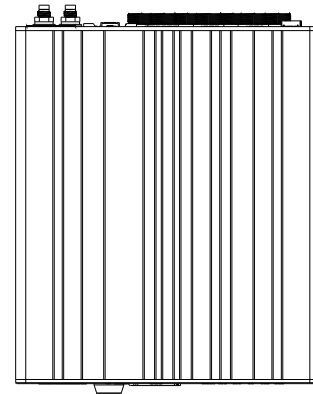
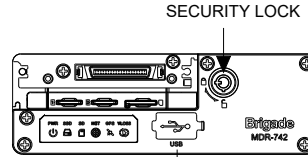
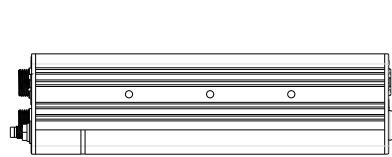
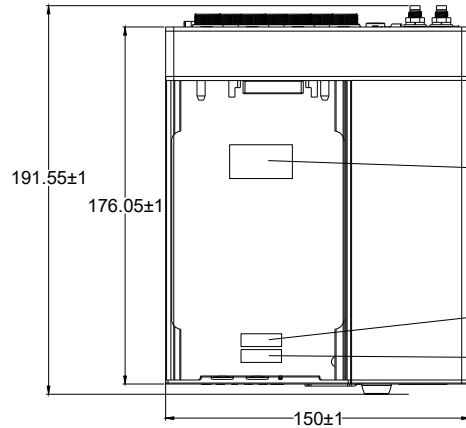
16-PIN MALE
MATING FACE

PIN#	DESCRIPTION	PIN#	DESCRIPTION
1	12 / 24V	9	NC
2	12 / 24V	10	NC
3	IGNITION	11	NC
4	12V	12	NC
5	GND	13	NC
6	GND	14	NC
7	VIDEO	15	GND
8	AUDIO	16	GND

VIEW I

4-PIN MALE
MATING FACE

PIN#	DESCRIPTION
1	5V
2	USB_DM
3	USB_DP
4	GND



Revision Notes

R1 -

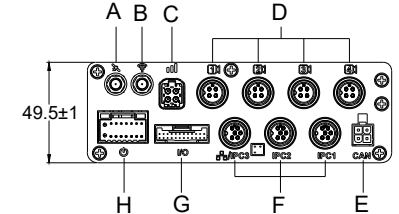
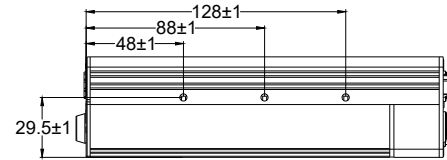
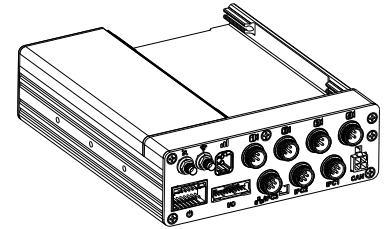
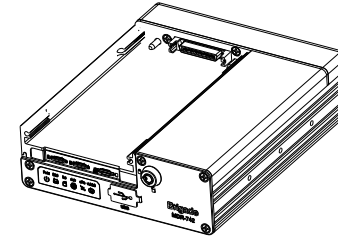
APA:

Drawn:

Checked:

Approved:

Date:



MDR-742GW-DS(XX) OPTIONS CONTENTS

OPTIONS	PART NO.	QTY	MODEL NO.	DESCRIPTION
A	8368	1	MDR-742GW-DS	MDR 742 WITH 128GB MICRO-SD DOCKING STATION
B	8369	1	MDR-742GW-DS(NA)	MDR 742 WITH 128GB MICRO-SD DOCKING STATION, NA

NOTES:

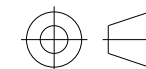
- REFERENCE INSTRUCTION MANUAL FOR FUNCTIONALITY.
- FOR ALL LABELS AND PACKAGING REFER TO MASTER BOM.
- VARIOUS SYSTEM OPTIONS A, B CONTAIN RELEVANT COMPONENTS.
- FINISH: GUNMETAL GREY.
- ANY CUSTOMER MODIFICATION OF THIS PRODUCT CAUSING SUBSEQUENT FAILURE IS NOT A LIABILITY OF BRIGADE ELECTRONICS GROUP PLC.

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Sheet
1 of 1Assembly PI Approval
J. LIU 27/02/2026Approved by
D. FOALEChecked by
S. ZHANGDrawn by
J. YUCustomer Approval
N/A

Angle of Projection



Third Angle

Units
mmScale
N/AReleased
20/03/2026Assembly Ref
-Status
RELEASED

MDR-742GW-DS(XX)

Part No
VARIOUS

BE-005071-00-25

Brigade
brigade-electronics.com