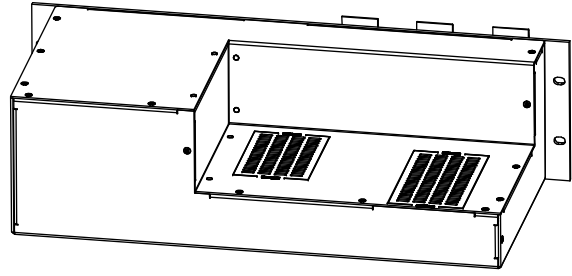


PRODUCT	TOP LEVEL P/N	ARTICLE P/N
mDVR-12R (110VDC)	70-300-4449	RP78600060
mDVR-12R (36VDC)	70-300-4450	RP78600050
mDVR-12R (24VDC)	70-300-4451	RP78600040

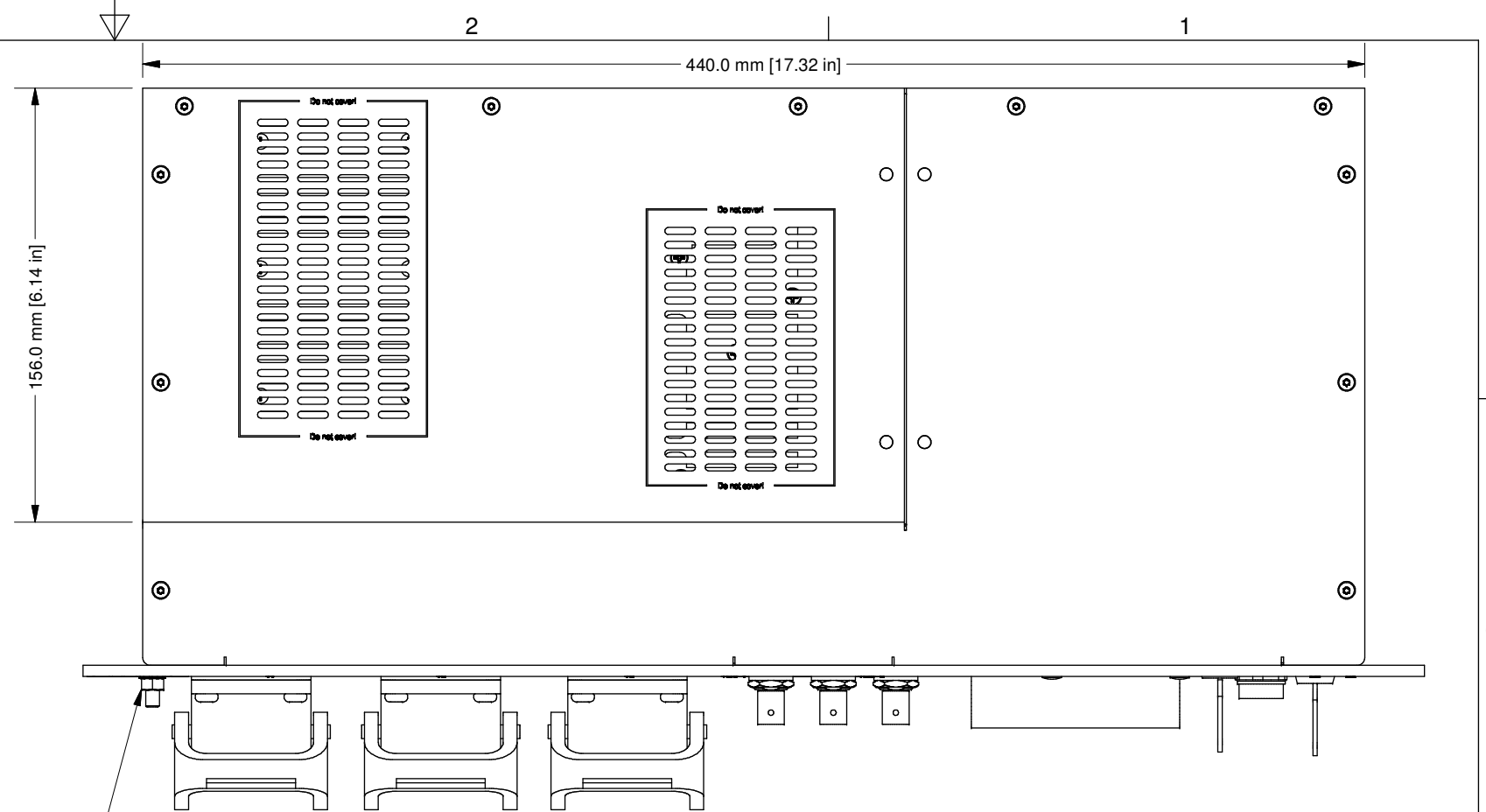
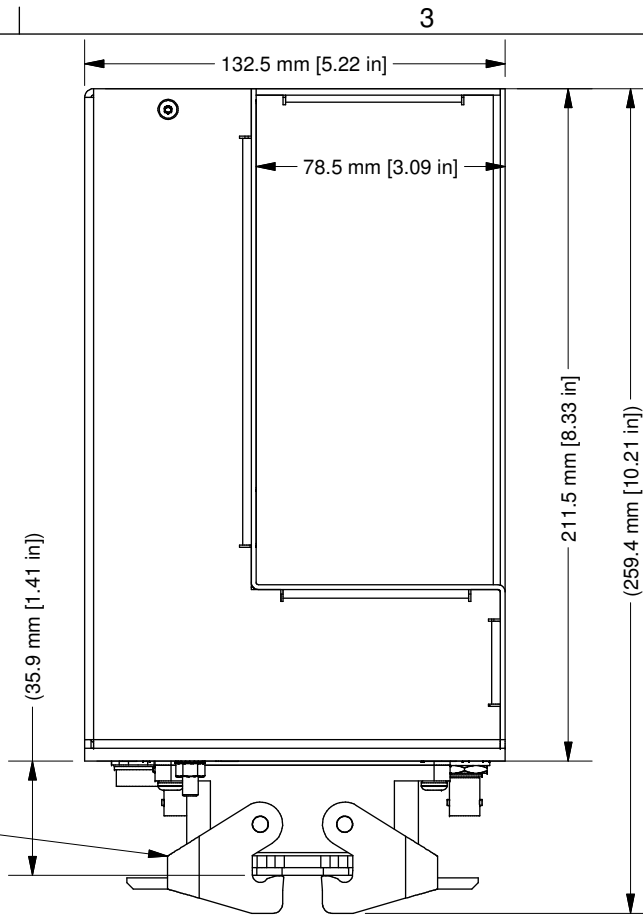
NOTE:

- MOUNTING POSITION: HORIZONTAL / VERTICAL
- IP PROTECTION RATING: IP40
- MINIMAL SPACE REQUIRED TO REMOVE HDD: 200mm
- DO NOT COVER COOLING ELEMENTS, KEEP A CLEARANCE OF 50 mm
- CABLING SPACE: 80 mm AT CONNECTION SITE
- MOUNTING INFORMATION: 3U, 19in RACK (per IEC 602197-1)
- 36 VDC ONLY:
 - PLASTIC PLUGS FOR CONNECTORS X18, X19, X20
 - VINYL CAPS OVER X8, X9, X13 TO X17



ISO VIEW - REAR

NOTE: THE MOUNTING CLAMPS OF THE CONNECTORS X1 TO X3 ARE REMOVABLE



X1 - MALE INSERT, HAN 10 E

- (Harting P/N: 09 33 010 2602)
- PIN1 = GND 110V
 - PIN2 = GND 24V / 36V
 - PIN3 = GND 12V output
 - PIN4 = GND 12V output
 - PIN5 = GND 12V output
 - PIN6 = 110V DC Main Power
 - PIN7 = 24V / 36V DC Main Power
 - PIN8 = Cabin power up signal +Vin
 - PIN9 = Power out 1, 12V DC (max 1.5A)
 - PIN10 = Power out 2, 12V DC (max 1.5A)

X2 - FEMALE INSERT, HAN 42 DD

- (Harting P/N: 09 16 042 3101)
- PIN1 = Alarm IN1
 - PIN2 = Alarm IN2
 - PIN3 = GND
 - PIN4 = Alarm IN3
 - PIN5 TO 6 = N.C.
 - PIN7 = Coding Pin
 - PIN8 = Alarm IN4
 - PIN9 = GND
 - PIN10 = Alarm IN5
 - PIN11 = Alarm IN6
 - PIN12 TO 14 = N.C.
 - PIN15 = GND
 - PIN16 = Alarm IN7
 - PIN17 = Alarm IN8
 - PIN18 = GND
 - PIN19 TO 21 = N.C.
 - PIN22 = Alarm IN9
 - PIN23 = Alarm IN10
 - PIN24 = GND
 - PIN25 = Alarm IN11
 - PIN26 TO 28 = N.C.
 - PIN29 = Alarm IN12
 - PIN30 = GND
 - PIN31 = Relay 1 Center contact
 - PIN32 = Relay 1 Normally open
 - PIN33 TO 35 = N.C.
 - PIN36 = Relay 1 Normally closed
 - PIN37 = Relay 2 Center contact
 - PIN38 = Relay 2 Normally open
 - PIN39 = Relay 2 Normally closed
 - PIN40 TO 42 = N.C.

X3 - FEMALE INSERT, HAN 42 DD

- (Harting: 09 16 042 3101)
- PIN1 = IBIS-WBED
 - PIN2 = IBIS-WBEM
 - PIN3 = IBIS-WBSD
 - PIN4 = IBIS-WBSM
 - PIN5 = Do not connect
 - PIN6 = Do not connect
 - PIN7 = RS232 DCD
 - PIN8 = RS232 RX
 - PIN9 = RS232 TX
 - PIN10 = RS232 DTR
 - PIN11 = RS232 GND
 - PIN12 = RS232 DSR
 - PIN13 = RS232 RTS
 - PIN14 = RS232 CTS
 - PIN15 = RS232 RI-
 - PIN16 = RS422 - RXD-
 - PIN17 = RS422 - RXD+
 - PIN18 = RS422 - TXD-
 - PIN19 = RS422 - TXD+
 - PIN20 = Display +12V
 - PIN21 = Back LED Out 1
 - PIN22 = Back LED Out 2
 - PIN23 = GND
 - PIN24 = Back LED Out 3
 - PIN25 = Back LED Out 4
 - PIN26 = Audio IN (Left)
 - PIN27 = Audio GND
 - PIN28 = Audio IN (Right)
 - PIN29 = Audio GND
 - PIN30 TO 32 = Do not connect
 - PIN33 TO 35 = N.C.
 - PIN36 TO 39 = Do not connect
 - PIN40 TO 41 = N.C.
 - PIN42 = Coding Pin

X4-17

- X4 = Video IN1
- X5 = Video IN2
- X6 = Video IN3
- X7 = Video IN4
- X8 = Video IN5
- X9 = Video IN6
- X10 = Video IN7
- X11 = Video IN8
- X12 = Video IN9
- X13 = Video IN10
- X14 = Video IN11
- X15 = Video IN12
- X16 = Video OUT1
- X17 = Video OUT2

X18 - X20

- X18 = LAN, RJ45 Standard (Service)
- X19 = USB Host (External equipment)
- X20 = USB Device (System configuration)

X21 LAN, M12, D-coded, 4 pins

- PIN1 = Transmission Data+
 - PIN2 = Receiver Data+
 - PIN3 = Transmission Data-
 - PIN4 = Receiver Data-
- MALE, M12, D-coded, 4 pins**
(Harting P/N: 21 03 882 1405)
Contact: Harting P/N: 61 03 000 0094

LED Status

- LED 1 (blue) = Power Indicator
- LED 2 (yellow) = Video Signal Lost Indicator
- LED 3 (green) = Camera Manipulation Indicator
- LED 4 (red) = Error Indicator

S1 (Service Key)

- ON = System ON
- OFF = System OFF

X1 - FEMALE INSERT, HAN 10 E

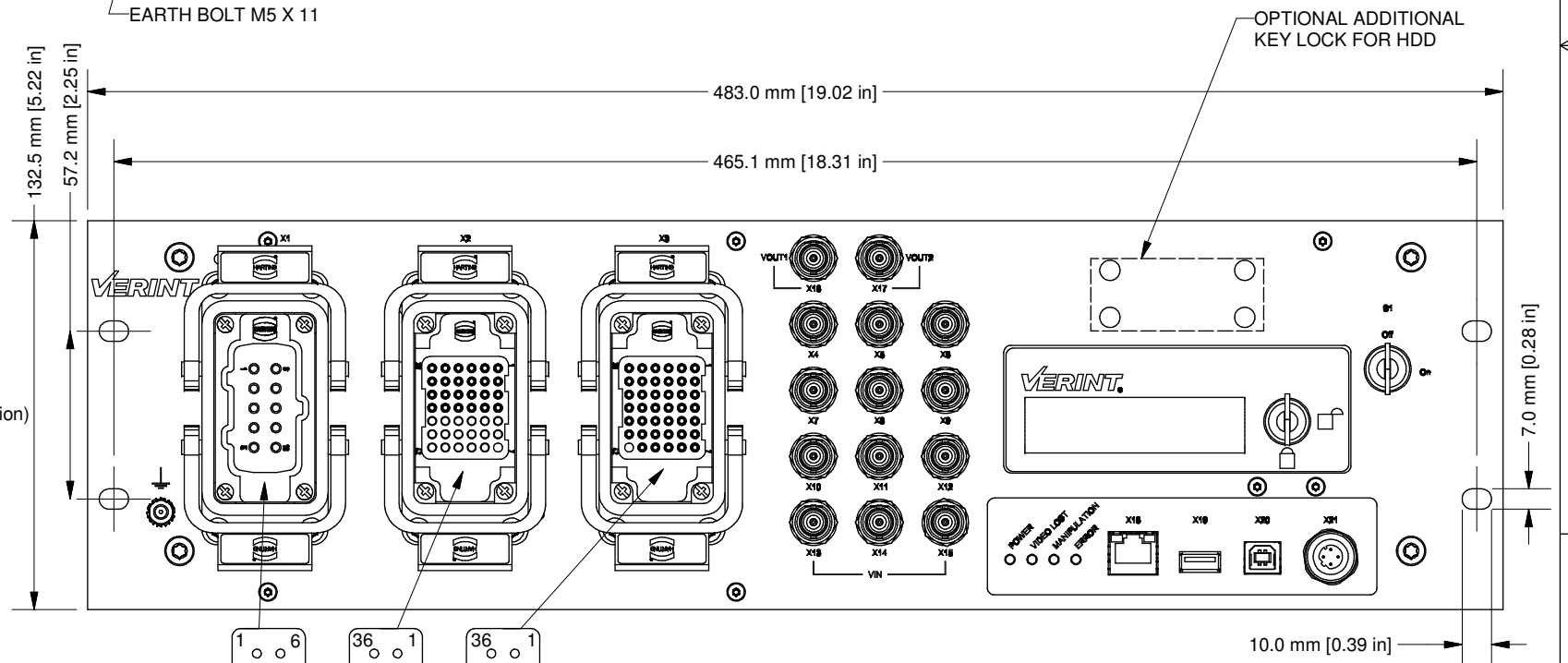
(Harting P/N: 09 33 010 2702)
Contact: Harting P/N: 09 33 000 6204

X2 - MALE INSERT, HAN 42 DD

KEYED INFO
(Harting: P/N 09-16-042-3001)
PIN 7 = Empty
PIN 42 = Contact required (Harting P/N: 09-15-000-6103)

X3 - MALE INSERT, HAN 42 DD

KEYED INFO
(Harting P/N 09-16-042-3001)
PIN 7 = Contact required (Harting P/N: 09-15-000-6103)
PIN 42 = Empty



TOLERANCE TABLE	
DISTANCE	TOLERANCE
0.5 TO 6 mm	+/- 0.1 mm
6 TO 30 mm	+/- 0.2 mm
30 TO 120 mm	+/- 0.3 mm
120 TO 400 mm	+/- 0.5 mm
400 TO 1000 mm	+/- 0.8 mm

REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
A4	003	TOLERANCE TABLE ADDED	OCT 29, 2009	S.COSSETTE
D4	003	NOTE ABOUT PROTECTIVE PLUGS ADDED FOR 36 VDC PRODUCT	OCT 29, 2009	S.COSSETTE
D4	004	CORRECTION OF THE NOTE RELATED TO PROTECTIVE PLUGS	OCT 7, 2010	S.COSSETTE

ENCLOSURE MATERIAL:

ALUMINUM FINISH:
BLACK POWDER COAT DRAWN
S.COSSETTE 6/25/2008
PROPRIETARY AND CONFIDENTIAL. THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF VERINT VIDEO SYSTEM INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF VERINT VIDEO SOLUTIONS IS PROHIBITED.

VERINT			
TITLE CUSTOMER DRAWING mDVR-12R			
SIZE B	DWG NO 18-453-0095	REV 004	
WEIGHT: 5.1 kg	SCALE: NTS	SHEET 1 OF 1	