

HMI DISPLAY PANELS

HMI-10xx-01



Optional Accessories



KEY FEATURES

- + Wide Viewing Angle 170° (IPS)
- + Sunlight Readable, Anti-Reflective Glass
- + 9 Soft Keys
- + Capacitive Multitouch Screen
- + Two Video Input, optional four
- + Cabin Or Panel Mount
- + Acoustic Signal-Integrated Buzzer
- + CAN Bus Communications

MMX LCD10 is a high-end display solution, a rugged operator control panel for use on heavy-duty vehicles and work machines that must operate outdoor in harsh conditions. It is fully equipped with touch screen and nine soft-function keys, integrated buzzer, CAN bus and video inputs. It is a perfect solution for pump control outside the vehicle or for superstructure control from the cabin.

The display can be installed both in-dash or out-dash with its specific articulated support.

SPECIFICATIONS

POWER

Supply Voltage 8-32 V DC

Current 1.5 A maximum

Electrical Protection overvoltage, transients, reverse polarity, load dump

INTERFACES

CAN 2 x CAN BUS ISO 11898, 2.0B high speed

Video 4 x PAL/NTSC simultaneous

USB 1x USB 2.0, for firmware update

DISPLAY

Display type active matrix colour TFT LCD 10 inch, 16.2M colours, sunlight-readable, anti-reflective glass

Resolution 1280 x 800 pixels, dot pitch 0.1695 mm, 16:10

Viewing angle horizontal 170°, Vertical 170° (IPS)

Luminance 850 cdm

Contrast ratio 800:1

MISCELLANEOUS

Keys 9 soft keys, backlit

Touch integrated buzzer max 93 dB

Acoustic signal output detect the intensity of the light in the environment

Digital Output Low side, 0.7 A max, optional

Operating system Linux embedded

Kernel dual ARM Cortex A9, 32-bit uP, 8 GB Flash memory eMMC

ENVIRONMENT

IP Class (IEC529) IP65

EMC Conformity EN61000-6-2 noise immunity
EN61000-6-4 radiation of interference

Temperature Range storage -40° to +85°C (-40° to 185°F)
operating -40° to +85°C (-40° to 185°F)

ENCLOSURE

Mounting in-dash with 8 screws M3 or 2.9 mm tapping screws or out-dash with articulated support

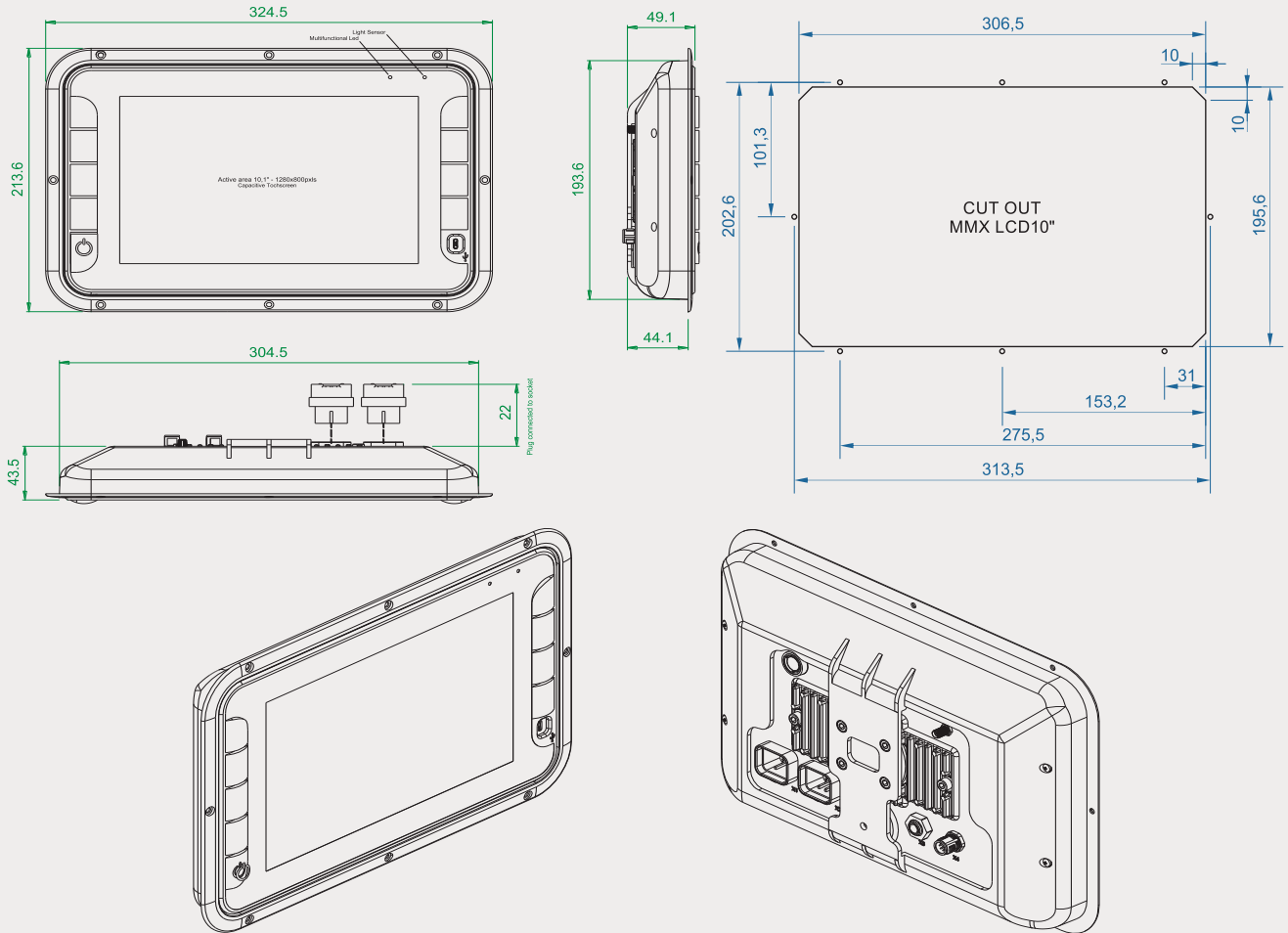
Mating Connector Tyco-AMP Ampseal 1437288-6, 26 way
M12 8-way for two video cameras

SIZE & WEIGHT

W x H x D 324 x 213 x 43, without Mating connector

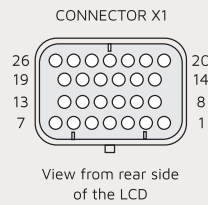
Weight 1.5 kg

DIMENSIONS



CONNECTIONS

CONNECTOR X1	
PIN	Description / wire colour
1	U BATT + (Ignition-15, optionally 30)
10	CAN1 H
11	CAN1 L
14	CAN2 H
20	CAN2 L
21	U batt - (GND-31)
22	U batt+ (Ignition -15)



CONNECTOR M12-8way



CONNECTOR M12 A-CODING MALE 8-WAY	
PIN	Description / wire colour
1	U batt +, positive power supply for external camera (Ignition "15")
2	U batt -, negative power supply for external camera (GND "31")
3	VIDEO IN1, PAL/NTSC video input
4	VIDEO GND, ground signal
5	U batt +, positive power supply for external camera (Ignition-15)
6	U batt -, negative power supply for external camera (GND-31)
7	VIDEO IN2, PAL/NTSC video input
8	VIDEO GND, ground signal

PRODUCT CODE

Ordering code example:

H	M	I	-	1	0	P	U	M	P
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

HMI - LCD	LCD SIZE	APPLICATION
	04: 4 INCH	CAB: CABIN CONTROL DF: DIGIFOAM CONTROL
	07: 7 INCH	PUMP: PUMP CONTROL CAFS: CAFS SYSTEM CONTROL
	10: 10 INCH	FJ: FOAMJET CONTROL /: GENERAL USE