



digsy[®] HMI 12 Ultra

Compact and economical human machine interface family for mobile applications, optimized to operate in direct sunlight.

Programmable in CODESYS V3.5 according to IEC 61131-3.

digsy[®] HMI 12 Ultra human machine interface family consists of two versions with different interface configurations. With its integrated PLC and CAN-master capability, it is the perfect solution for midsize and large applications, which require a cost-effective control and visualization system. Special features of these HMIs are the very good readability in direct sunlight and the wide viewing angle from all directions.

Technical data / Order information

Product	digsy HMI 12 Ultra SB	digsy HMI 12 Ultra SE
Order code	4885.90.120	4885.90.122
Display size / format	12,3" / 8:3	12,3" / 8:3
Resolution	1920x720	1920x720
Backlight / contrast ratio	1000 cd/m ² / 1100:1	1000 cd/m ² / 1100:1
Viewing angle (all directions)	85°	85°
Optical bonding	✓	✓
Touchscreen (PCAP)	✓	✓
CPU / Clock rate	i.MX 8X / 900MHz	i.MX 8X / 900MHz
Flash / RAM / FRAM	8 GB / 1 GB / 8 kB	8 GB / 1 GB / 8 kB
Real Time Clock, battery buffered	✓	✓
CAN, 125 kBit/s...1 Mbit/s	1	3
CANopen / J1939 / Layer-2	✓ / ✓ / ✓	✓ / ✓ / ✓
Ethernet, TCP/IP, UDP	1x 1 Gbit/s	1x 1 Gbit/s
USB, Host, V2.0 / µSD Slot	- / -	2 / 1
Audio output	-	✓
Inputs, digital, 0-10V, 0-20mA / Outputs, 3A	- / -	4 / 2
Video, FBAS, PAL/NTSC	-	4
e1 certification	✓	✓

General:

- Operating voltage: 8...32V
- Operating temperature: -30°C... +70°C
- Storage temperature: -30°C... +80°C
- Shock- and vibration proof
- EMC proof according to automotive standards
- Environmental protection: HMI 12 Ultra SB: IP67
HMI 12 Ultra SE: IP65
- Dimensions: Appr. 341 x 166 x 52,2mm

Accessories:

- Cable for power supply and CAN, 2m, M12 socket - loose end 4308.32.042
- Cable for Ethernet, M12 – RJ45 4305.90.105
- Multi function cable, 3m, 26 pol. Deutsch connector – loose end 4305.90.104
- Front panel mounting kit 4305.90.205