Key features

Full HD, sunlight readable LCD display
Automatic backlight intensity control

Powerful player platform supporting Linux & Windows

All-weather design for outdoor usage

24/7 / 365 and long-life usage

System health monitoring

Optional secondary display

Horizontal and vertical mounting

Optical bonding for optimal picture quality

Dsigned to present modern content for passengers, visitors & other public places

Content sources include HTML5, Java Script, Video sequences etc. as well as streaming.

Multiple interfaces enable data communication via Ethernet, Wi-Fi or LTE.

Robust and service friendly design

PUBLIC INFORMATION DISPLAY 32” / 46”

The 32” and 46” public information displays from Data Respons Solutions are designed for outdoor applications in public areas. The displays can operate 24/7 in harsh environments whilst maintaining excellent picture quality.

The powerful built-in player is supported by all common operating platforms including MS Windows and Linux.

Connectivity with central equipment is handled by multiple optional interfaces such as Ethernet, Wi-Fi or LTE.

The PID’s can be mounted both horizontally and vertically and can be customised for each installation.

With its modular design makes it easily serviceable for technical personnel operating the PID installation.

data respons SOLUTIONS

State: Revision: Preliminary, Version 1, 14.09.2020

Technical specifications

Display	
32″	32”
MTBF	70.000 hours
46″	46”
MTBF	50.000 hours
Resolution	1920 x 1080 pixels
Colors	24 bits
Brightness	1500 Nits (typical)
Bonded Display & Glass	Tempered glass
Coating	AR

Mechanical & Environmental	
32″	
Size (landscape)	840 x 674 x 280 mm (w x h x d)
Weight	31 kg
Mounting Landscape	Wall Fixture with tilt option 0° or 8°
Mounting Portrait	(TBD)
46″	
Size (landscape)	1174 x 768 x 280 mm (w x h x d)
Weight	50 kg
Mounting Landscape	Wall Fixture with tilt option 0° or 8°
Mounting Portrait	(TBD)
Chassis material	Aluminum
Ingress Protection	IP-65
Operating temperature	÷25°C to +45°C
Storage temperature	÷25°C to +50°C
Humidity	5 - 90% R-H. Non-condensing
RoHS	Compliant
CE	EN50121-1 & EN50121-4

Power	
Power inlet	230V AC 300W
Battery 3.0V for Real Time Clock & CMOS RAM	CR2032-60A2 (Exchangeable Lithium battery)
PSU12VDC (Master only)	12V, 50.4W max.
PSU24VDC	24V, 350.4W max
Heather	230V AC 160W

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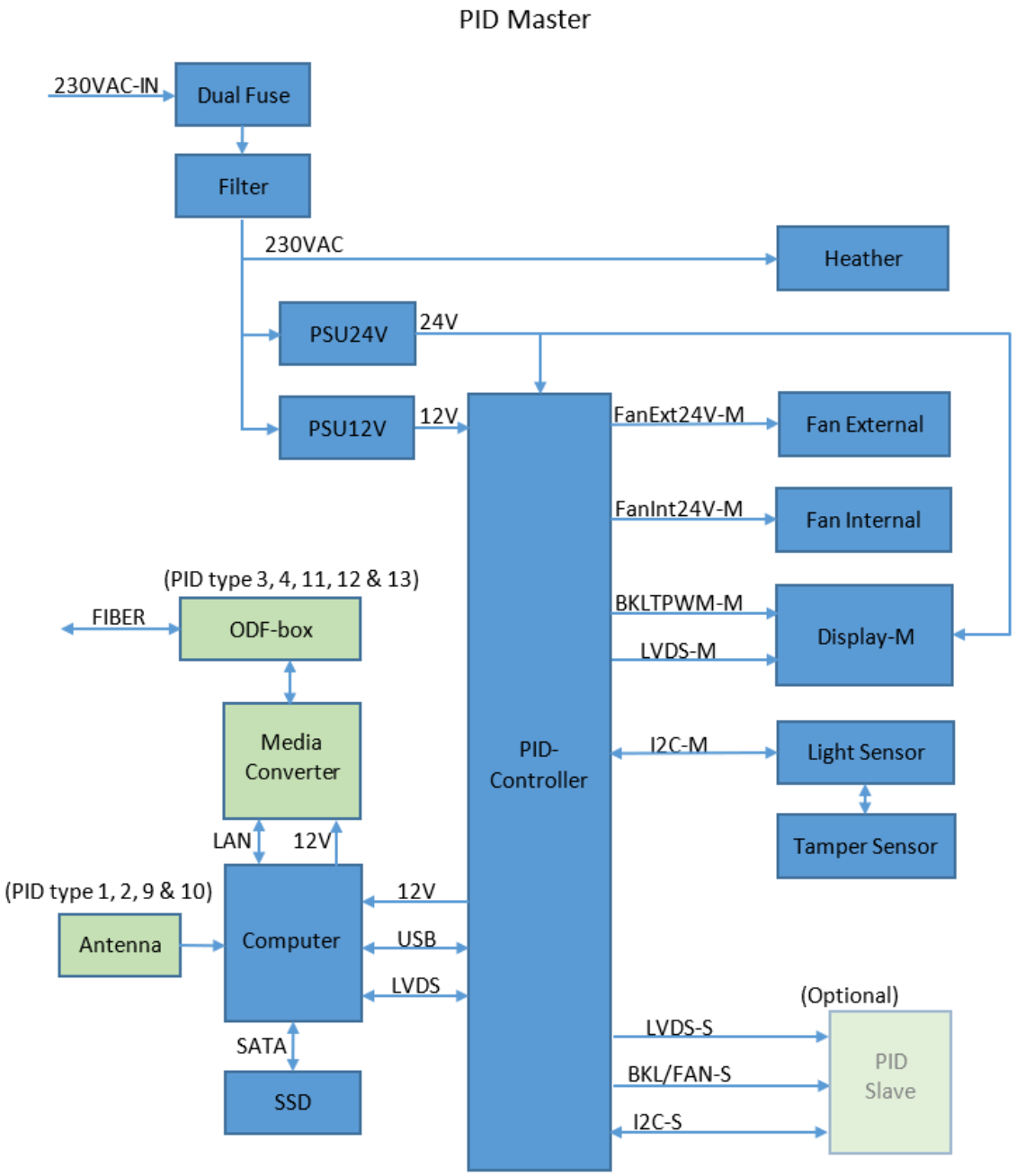
Technical specifications

Computer system (master only)	
Processor	Intel® Atom© Quad Core
System Memory	Up to 8GB
Storage	32 GB Replaceable SSD
OS Support	Linux, Windows
Ethernet	2x GBE
RS232/422/485	3x RS232, 1x RS232/422/485
USB	4x USB 2.0, 2x USB 3.0
Optional Fiber Optics	1x via Ethernet port
Optional WLAN	1x support for 802.11 a/b/g/n
Optional WWAN	1x support for LTE/ 3G/ 2G
Optional support for multiple independent displays	1x LVDS (dual pixel/clock, 1920x1080), 1x HDMI
LVDS duplicated via PID-Ctrl (Cloned displays)	1x to 2x LVDS (dual pixel/clock, 1920x1080)

Computer and system control via PID-Controller (master only)	
PID functions for Master	
Monitoring temperatures	PID-Ctrl Temperature (Onboard) Display Panel Temperature (Master Sensor) Light Sensor Temperature (Master Sensor Board)
Watchdog	Computer application monitoring
Internal Fan	On/Off
External Fan	On/Off
Tamper Sensor	Logging Opening and closing Front
Light Sensor	Sunlight measuring
Power Control	Computer supply, Backlight On/Off and Intensity
Voltage monitoring	5V (PID-Ctrl) 3.3V (PID-Ctrl) 12V (PSU12V) 24V (PSU24V Master)
PID functions for Slave	
Monitoring temperatures	Display Panel Temperature (Slave Sensor) Light Sensor Temperature (Master Sensor Board)
Internal Fan	On/Off
External Fan	On/Off
Tamper Sensor	Logging Opening and closing Front
Light Sensor	Sunlight measuring
Power Control	Backlight On/Off and Intensity
Voltage monitoring	24V (PSU24V Slave)

State: Revision: Preliminary, Version 1, 14.09.2020

Block Diagram



A SMARTER SOLUTION
starts from inside

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