CarestreamNDT

INDUSTREX HPX-ARC 1043 PH Digital Solution

PRODUCT SPECIFICATIONS

BENDABLE DR

The INDUSTREX HPX-ARC 1043 PH and Exposure Interface Box (EIB) is a revolutionary, bendable digital radiography (DR) solution. It conforms to various objects and quickly delivers the high-resolution images you need for game-changing speed and certainty.

MECHANICAL

Size 4 x 17 (in) Active area: Weight:	4 x 17 in, 10 x 43 cm 5.7 lbs, 2.6 kg.
Bend Diameter	4 in. NPS (or 4.5 in. 114 mm OD)
Housing Material	Flexible EPDM Rubber /ABS-PC Housing
Shielding	Tungsten
Load Limit	Distributed Load 60lbs., 27kg Point Load 50 lbs., 23kg
Receptor Type	Amorphous silicon
Array Substrate	Polyimide
Conversion Screen	GOS
Pixel Matrix	1008 x 4336
A/D Conversion (bit depth)	16
Pixel Pitch (µm)	98µm
Fill Factor	50%

OPERATIONAL

Capture Method	Static (INDUSTREX)
Communication	Tethered (Ethernet) or Wireless
Energy Range	40 kV – 1.5 MeV
Integration Time	0.25 – 300 seconds (INDUSTREX)
Frames	1 – 100 (INDUSTREX)
Image Transfer Time	< 1.0 seconds (Tethered) < 3.0 seconds (Wireless) for typical use conditions
Data Transmission Rate	1 Gbps (Tethered) Up to 0.5 Gbps (Wireless)
Pixel Map Creation	Append to factory map or existing map, make new map (INDUSTREX)
Compliance	ASTM, ASME, ISO, DICONDE

ENVIRONMENTAL

Temperature Range (°C)	Operating -20 to +60 Ambient-Storage (-10 to +66)
Relative Humidity	Storage 10 - 86%
Non-Condensing	Storage 10 - 86%
Vibration	ASTM D4169 Truck and Air Level II
Ingress Protection	IP67

BATTERY

OEM	DeWalt Lithium Ion Battery
Voltage/Energy	20V DC, 2-5 Ah
Battery "Hot Swap"	Yes
Expected Battery Runtime (normal use conditions)	3 hours with 2.0 AH battery 8 hours with 5.0 AH battery

WIRELESS SYSTEM

Wireless Protocol	TCP/IP, IPv4/IPv6
Network Type	Isolated Private Wireless LAN (WLAN)
Wireless Protocol	802.11 A, G, N, AC
Antenna 2.4 GHz channels: 5 GHz Channels:	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 36, 40, 44, 48, 149, 153, 157, 161, 165
Max. Power of Detector Radio	20 mW
No. of Antennas	2
IP Addressing	Static Private IP Address, Access Point (AP)
Agency Approvals	FCC Part 15

SECURITY

WPA2-PSK AES	Factory and user loaded keys
SSID	Broadcast
User Name and Password	Non-default

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