PENTAX VISIO FAMILY OF PRODUCTS PENTAX V-325DN

Capture the full picture! More details, Higher Field Performance

- Simply measure the point and capture the image
- Analyse and compare
- Print it's easy!

Key Features

- 3.1M pixel CMOS camera
- 3 x Digital Zoom
- 1.5inch TFT LCD Monitor/ Finder
- FL=50mm Field Angle=8.8deg
- Point mark function with data record
- SD card slot(1Gb) / Int. memory (32Mb) for data storage
- Super impose function
- Data output using SD Card/USB

Applications:

Surveying & Construction Mapping and GIS Utilities Police departement Accident investigation Environmental Studies Geomarking





FAMILY OF PRODUCTS

Total Station V-325DN Series Specifications

Model		V-325DN
Telescope	Magnification	30 x
lelescope	Resolving Power	3"
	Field of View	2.6% (1° 30′)
	Minimum Focus	1.0 m
	Reticule Illumination	Yes
	Pointer	Visible Laser
	Focus	Manual
EDM	Laser Class	Visible Laser Class III a (3R)
EDM	Measurement Range (Good Condition)	
	Reflectorless - Standard	1.5 ~ 90 m
	- Long Range Mode	1.5 ~ 250 m
	Reflector Sheet	1.5 ~ 600 m (800 m)
	Mini Prism (40 km visibility) 1P (40 km visibility)	~ 1100 m (1600 m) ~ 3400 m (4500 m)
	3P (40 km visibility)	~ 4500 m (5600 m)
	Accuracy	1.5 · 200 · · · /5 · 2 · · · · D) · · · · 200 · · · /7 · 10 · · · D)
	Reflectorless	1.5 m ~ 200 m : ± (5 + 2 ppm x D) mm - 200 m ~ ± (7 + 10 ppm x D) mm
	Prism/Reflector Sheet	± (2 mm + 2 ppm x D) mm
	Distance Measurement	
	Minimum Reading - Normal	Approx. 2.0 seconds (1 mm)
	- Tracking Mode	0.4 second (cm)
	Laser Pointer	Yes
	Automatic Atmospheric Correction	No
Angle Measurement	Measuring system	Absolute Rotary Encoder
	Detection Method	Vertical/Horizontal angle: Single
	Minimum count	5" / 1"
	Accuracy (ISO17123-3)	5"
	Vertical Angle Compensation	Single Axis
	Tangent Screw	1 Speed
Digital Camera(DSC)	Sensor	CMOS 3.1 megapixels
	Resolving Power of LCD	"2048 x 1536 / 1600 x 1200 / 1280 x 960 / 640 x 480 Selectable
	Monitor (LCD)	1.5″ Color TFT 34 mm x 24 mm (502x240 dot.)
	EV Compensation	-2 EV ~ + 2 EV(0.5 EV Step): Selectable
	White Balance	Auto / Daylight / Cloudy / Fluorescent Light / Incandescent Light: Selectable
	Sensitivity	ISO=100/200/400
	File Format	JPEG
	JPEG Quality(Compression)	BEST 1/4 BETTER 1/8 GOOD 1/16 Selectable
	File Management	DCF(Ver.1.0)/FAT 16 Format
	Digital Zoom	1x/2x/3x
	Play Back Function	Yes
	Internal Flash Memory	32MB
	External Memory	SD Card(up to 1G)
	Focal Length	50 mm
	Focus Range	$20 \text{ m} \sim \infty$ (fixed focal lenght)
	Field of View	8.8°
	Effective Diameter	f/5.6
	I/F	USB 2.0
	Power	Internal (supplied from Total Station)
Data Process (TS)	Data Recording Method	Internal Memory
	Internal Memory	30.000 points
	Clock function	Yes
	Special function	PTL+DSC
	Interface	RS-232C
Display / Keyboard	LCD	Full DotMatrix STN_LCD Two side
	Language	English
	Keyboard	Alphanumeric Key (10 Keys)
Tangent Screw		1 Speed
Plate Vial	Plate Vial	40" / 2mm
	Circular Vial	8'/2 mm
Plummet		Optical Plummet
Base		Detachable
Dust and Water Protection		IP55
Working Temperature		-20°C ~ +50°C
Physical	Dimension	173 (W) x 343 (H) x 177 (L) mm
Physical	Weight	5.4 kg
	Battery	BP02
	Battery Charger	BF02 BC03 + AC01
Remarks	battery Charger	
Remarks		Application Software is the same as that of V-300 series

Note:

The measurement range may vary by measurement conditions.

- Normal conditions: 20km visibility with slight shimmer.

- Good conditions: 40km visibility, overcast, no heat, no shimmer and moderate wind.

* Reflector sheet: PENTAX genuine Reflector sheet (5cm x 5cm).

* EDM Measuring time varies according to distance to be measured and conditions of the environment.

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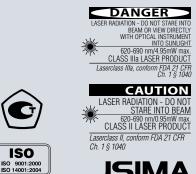
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