



## 309 Series

### High Definition Video Micrometer - Protractor

DVI-D, HDMI, HD-SDI, TVI/AHD

#### Measure Dimensions and Angles in a High-Definition Video Image

- Description
- Specifications
- Online Ordering and Pricing

### Notice

Please be aware that all orders currently have an unavoidable 12 week lead time. We apologize for any inconvenience.

#### Description

##### Measure Dimensions

- Horizontal
- Vertical
- Diagonal
- Point-to-Point
- Stores 4 Different Calibrations
- Handles 16 x 9, 4 x 3, and Other Picture Aspect Ratios
- Handles Square or Rectangular Pixel Formats

##### Measure Angles

- Angle Between Two Cursors
- Vertex On- or Off-Screen

##### Measurement Cursors

- Choice of Colors
- Adjustable Cursor-Line Width
- Adjustable Cursor-Line Intensity/Transparency
- Adjustable Line Shadowing

##### Measurement Display

- On-Screen
- Choice of Measurement Units
- Automatic Conversion Between Measurement Units
- Adjustable Display Size and Position

##### On-Screen Menu

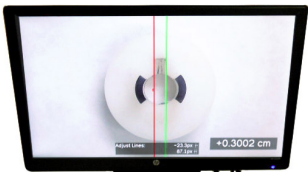
- Accesses All Functions
- Adjustable Menu Size and Position
- Friendly Icons and Terminology Easily Navigated



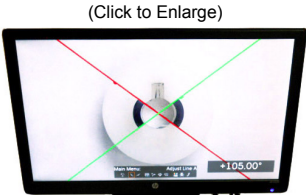
The Video Caliper superimposes two vertical, horizontal, or diagonal, cursor lines, or two cursor points onto the video display. The user can adjust the position and rotation of these cursors by means of front panel controls. In most modes, one control sets the distance or angle between the cursors by moving one cursor only. The second control moves both cursors across the screen while maintaining the distance and angle between them. This arrangement allows comparison of objects across the image without disturbing the relationship between the cursors. An on-screen display, of adjustable size and position indicates the measurement in a variety of selectable units. The cursors can be individually set to a variety of colors, and provide adjustable width and intensity/transparency.

Four separate dimensional calibrations can be stored for easy recall and use. Units are automatically converted in order to preserve calibration if they are changed. For instance, calibration can be made in inches and readings taken in centimeters. Calibration or calibration reselection must be made any time the optics or distance between the image sensor and the object under scrutiny change. Power input requirement is 5 VDC at at less than 1 Amp. A UL listed AC adapter is included.

- Distance Measurements can be made in any direction
- Cursor Color Menu: Black, White, Red, Orange, Yellow, Green, Cyan, Blue, and Magenta.
- Cursor Line Width and Cursor Point Size adjustable from 1/4 to 10 pixels.
- Adjustable Cursor Intensity/Transparency
- On-Screen Dimension and Menu Windows Adjustable for Size and Position



Horizontal Measurement Between Two Vertical Cursor Lines



Angle Measurement Between Two Cursor Lines



Diagonal Measurement Between Two Cursor Points

#### Functionality Synonyms:

Video Caliper  
Video Micrometer  
Video Scaler  
Video Based Measurement  
Video Measurement  
Video Dimension Analysis  
Video Marking

#### Specifications

##### High Definition Units:

##### TD309CS, TD309C (TVI/AHD to DVI)

Owner's Manual:	TD309CS.pdf
Input Signal:	TVI or AHD Hi-Def Composite Analog
Input Connector:	BNC Female
Output Signal:	DVI-D
Output Connector:	DVI-I Female
Functions:	Provides the means to measure dimensions and angles in high definition Converts TVI or AHD Input to DVI-D Output
Controls :	Button: Multiple Functions Knob I: (upper Multi-Function Knob) Knob II: (lower Multi-Function Knob)
Indicators:	Power (Flashing), Video OK (Steady)
Model:	TD309CS: TVI or AHD Input & DVI-D Output Size: 8.875"W x 6.5"L x 2.75"H sloping to 1.25"H Chassis: Black ABS Mounting: Free standing desktop Power Connector: 5.5 x 2.1 mm coaxial power jack, center-pin positive Power Input: 5 VDC 1.0 A (120 VAC Adaptor included where appropriate)
Model:	TD309C: TVI or AHD Input & DVI-D Output Size: 8"W x 8"L x 1.67"H Chassis: Painted Aluminum Mounting: Free standing, rack mount optional Power Connector: IEC Power Input: 120 or 240 (specify when ordering) VAC

<b>DD309CS, DD309C (DVI/HDMI)</b>	
Owner's Manual:	<a href="#">Manual-DD309CS.pdf</a>
Input/Output Signal:	DVI-D
Input/Output Connector:	DVI-I Female
Functions:	Provides the means to measure dimensions and angles in high definition
Controls :	Button: Multiple Functions Knob I: (upper Multi-Function Knob) Knob II: (lower Multi-Function Knob)
Indicators:	Power (Flashing), Video OK (Steady)
Model:	<b>DD309CS: DVI-D Input &amp; Output</b> Size: 8.875"W x 6.5"L x 2.75"H sloping to 1.25"H Chassis: Black ABS Mounting: Free standing desktop Power Connector: 5.5 x 2.1 mm coaxial power jack, center-pin positive Power Input: 5 VDC 1.0 A (120 VAC Adaptor included where appropriate)
Model:	<b>DD309C: DVI-D Input &amp; Output</b> Size: 8"W x 8"L x 1.67"H Chassis: Painted Aluminum Mounting: Free standing, rack mount optional Power Connector: IEC Power Input: 120 or 240 (specify when ordering) VAC

<b>HD309CS, HD309C (HD-SDI to DVI)</b>	
Owner's Manual:	<a href="#">HD309CS.pdf</a>
Input Signal:	SDI, HD-SDI, or 3G-SDI
Input Connector:	BNC Female
Output Signal:	DVI-D
Output Connector:	DVI-I Female
Functions:	Provides the means to measure dimensions and angles in high definition Converts HD-SDI Input to DVI-D Output
Controls :	Button: Multiple Functions Knob I: (upper Multi-Function Knob) Knob II: (lower Multi-Function Knob)
Indicators:	Power (Flashing), Video OK (Steady)
Model:	<b>HD309CS: HD-SDI Input &amp; DVI-D Output</b> Size: 8.875"W x 6.5"L x 2.75"H sloping to 1.25"H Chassis: Black ABS Mounting: Free standing desktop Power Connector: 5.5 x 2.1 mm coaxial power jack, center-pin positive Power Input: 5 VDC 1.0 A (120 VAC Adaptor included where appropriate)
Model:	<b>HD309C: HD-SDI Input &amp; DVI-D Output</b> Size: 8"W x 8"L x 1.67"H Chassis: Painted Aluminum Mounting: Free standing, rack mount optional Power Connector: IEC Power Input: 120 or 240 (specify when ordering) VAC

Online Ordering and Pricing

Model	Description	Price	Add to Cart
<b>TD309CS</b>	<a href="#">TVI or AHD Input with DVI Output Hi-Def Video Micrometer &amp; Protractor, Caliper</a>	\$2770.00	<a href="#">BUY</a>
<b>TD309C</b>	<a href="#">TVI or AHD Input with DVI Output Hi-Def Video Micrometer &amp; Protractor, Caliper</a>	\$2920.00	<a href="#">BUY</a>
<b>DD309CS</b>	<a href="#">DVI-D Hi-Def Video Micrometer &amp; Protractor, Caliper</a>	\$2660.00	<a href="#">BUY</a>
<b>DD309C</b>	<a href="#">DVI-D Hi-Def Video Micrometer &amp; Protractor, Caliper</a>	\$2810.00	<a href="#">BUY</a>
<b>HD309CS</b>	<a href="#">HD-SDI Input with DVI Output Hi-Def Video Micrometer &amp; Protractor, Caliper</a>	\$2770.00	<a href="#">BUY</a>
<b>HD309C</b>	<a href="#">HD-SDI Input with DVI Output Hi-Def Video Micrometer &amp; Protractor, Caliper</a>	\$2920.00	<a href="#">BUY</a>
<b>Option-RM</b>	Rackmount installed on any Video Rotator with Aluminum Chassis	\$75.00	<a href="#">BUY</a>
<b>CE and RoHS</b>	CE and <a href="#">RoHS</a> Compliance required by the EU (and some other jurisdictions) for any Video Caliper	\$65.00	<a href="#">BUY</a>
<b>DVIM13DVIM</b>	<a href="#">Male DVI to Male DVI Cable, 13 feet</a>	\$29.00	<a href="#">BUY</a>
<b>DVIM6HDMI</b>	<a href="#">Male DVI to Male HDMI Cable, 6 feet</a>	\$45.00	<a href="#">BUY</a>
<b>DVIMHDMIF</b>	<a href="#">Male DVI to Female HDMI Adapter</a>	\$18.99	<a href="#">BUY</a>

All prices F.O.B. Boulder, Colorado.



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