

## We Call Our Video Borescopes “High-Performance Systems” for Several Good Reasons:

- They use our thinnest probes, with diameters as small as 3.9mm (0.15 in.). Even our thickest general-purpose high-performance probe, at 6mm across, is no thicker than a No. 2 pencil lead.
- The probes have superior optical specs, including close-focus and far-focus depths of field.
- Probe choices abound. Just pick the probe type (flexible-obedient or soft metal), probe diameter (3.9mm, 4.9mm, 5.5mm or 6m), probe length (1m to 30m) and viewing angle (front view, articulating or switchable front/side view) you need; one of our probes is sure to fill the bill.
- The borescopes themselves also come in several styles—for example, wired or wireless, and recording or non-recording. Whichever model you choose, your high-performance borescope will have passed a 60,000-cycle performance test, sport a color monitor, and come in a custom protective hard case.



### Probe Diameters (actual size)

●  
3.9mm  
(0.15 in.)

●  
4.9mm  
(0.19 in.)

●  
5.5mm  
(0.22 in.)

●  
6mm  
(0.24 in.)

	PRIMARY SYSTEM FEATURE(S)	Wireless recording		VGA recording, with VGA probe	
		Model No.	DCS1800	DCS1800ART	DCS1700
SYSTEM	System/Component Name	High-Performance Wireless Recording Video Borescope System	High-Performance Wireless Recording Video Borescope System with Articulating Probe	The VIPER 1700 Super High-Performance VGA Recording Video Borescope System	
	Display Size (diagonal)	3.5 in. (89mm)	3.5 in. (89mm)	3.5 in. (89mm)	
	Wireless Range	Up to 33 ft. (10m)	Up to 33 ft. (10m)	—	
	Records	Audio, video, still images	Audio, video, still images	Video, still images	
	Resolution (pixels)	Video: 320 x 240 Still images: 640 x 480	Video: 320 x 240 Still images: 640 x 480	Display: 320 x 240 Probe & Recording: 640 x 480	
	Zoom Level (s)	1.5X	1.5X	1.5X, 2X	
	Operating Temperature	Console: 32° to 140°F (0° to 60°C); Probe: -4° to 140°F (-20° to 60°C)	Console: 32° to 140°F (0° to 60°C); Probe: -4° to 140°F (-20° to 60°C)	Console: 32° to 140°F (0° to 60°C); Probe: -4° to 140°F (-20° to 60°C)	
	Memory (capacity of included SD card)	4GB	4GB	4GB	
	Power Source	Rechargeable Li-ion batteries	Rechargeable Li-ion batteries	(4) "AA" batteries	
	Certifications	CE, FCC, RoHS	CE, FCC, RoHS	CE, FCC, RoHS	
	Limited Warranty Term	1 year	1 year	1 year	
SUPPLIED PROBE	Diameter	5.5mm (0.22 in.)	6mm (0.23 in.)	5.5mm (0.22 in.)	
	Style	Flexible-Obedient	Articulating	Soft metal	
	Length	1m (3.3 ft.)	1m (3.3 ft.)	1m (3.3 ft.)	
	Field of View	60°	60°	60°	
	Depth of Field	0.25 to 12 in. (6.4 to 300mm)	0.25 to 12 in. (6.4 to 300mm)	0.25 to 12 in. (6.4 to 300mm)	
	Resistance to Water/Dust/Oil/Gas	IP67	IP67	IP67	
	Light Source	4 adjustable white LEDs	4 adjustable white LEDs	6 adjustable white LEDs: 4 front-facing, 2 side-facing	

\*Enables existing DCS1800ART owners to add a Non Articulating Probe or the P16HPART VGA resolution

**DCS16HPART**  
(see page 12)

**DCS800**  
(see page 16)



**DCS1600**  
(see page 12)

**DCS1100**  
(see page 15)

**DPS16**  
(see page 14)

	Utility recording			4.9mm switchable front/side view probe	Rugged VGA recording
	DCS1600	DCS16HPART	DPS16	DCS1100	DCS800
	High-Performance Recording Video Borescope System	High-Performance Recording Video Borescope System with VGA Resolution Articulating Probe	Pipe & Duct Recording Video Borescope Inspection System	High-Performance Video Borescope System	Rugged High-Performance VGA Recording Video Borescope System
	3.5 in. (89mm)	3.5 in. (89mm)	3.5 in. (89mm)	2.4 in. (61mm)	3.5 in. (89mm)
	—	—	—	—	—
	Video, still images	Video, still images	Video, still images	N/A	Video, still images
	Video: 320 x 240 Still images: 640 x 480	Video: 320 x 240 Still images: 640 x 480	Video: 320 x 240 Still images: 640 x 480	Video: 320 x 240 Still images: 640 x 480	Probe & Display: 320 x 240 Recording: 640 x 480
	2X Console: 32° to 140°F (0° to 60°C); Probe: -4° to 140°F (-20° to 60°C)	2X Console: 32° to 140°F (0° to 60°C); Probe: -4° to 140°F (-20° to 60°C)	2X Console: 32° to 140°F (0° to 60°C); Probe: 14° to 140°F (-10° to 60°C)	1.5X Console: 32° to 140°F (0° to 60°C); Probe: 32° to 131°F (0° to 55°C)	3X, 5X Console: 32° to 140°F (0° to 60°C); Probe: -4° to 140°F (-20° to 60°C)
	4GB	4GB	4GB	—	4GB
	Rechargeable Li-ion battery	Rechargeable Li-ion battery	Rechargeable Li-ion battery	4 "AA" batteries	4 "AA" batteries
	CE, FCC, RoHS	CE, FCC, RoHS	CE, FCC, RoHS	CE, FCC, RoHS	CE, FCC, RoHS
	1 year	1 year	1 year	1 year	1 year
	5.5mm (0.22 in.)	6mm (0.23 in.)	28mm (1.1 in.)	4.9mm (0.19 in.)	5.5mm (0.22 in.)
	Flexible-Obedient	Articulating	Soft metal	Flexible-Obedient, Switchable Front/Side View	Flexible-Obedient
	1m (3.3 ft.)	1m (3.3 ft.)	22m (72 ft.)	1m (3.3 ft.)	1m (3.3 ft.)
	60°	60°	151°	67°	60°
	0.25 to 12 in. (6.4 to 300mm)	0.25 to 12 in. (6.4 to 300mm)	0.4 in. (10mm) to infinity	0.25 to 6 in. (6.4 to 150mm)	0.25 to 12 in. (6.4 to 300mm)
	IP67	IP67	IP68	IP57	IP67
	4 adjustable white LEDs	4 adjustable white LEDs	8 adjustable white LEDs	5 adjustable white LEDs: 3 front-facing, 2 side-facing	4 adjustable white LEDs

### Probe Diameters (actual size)

●  
**3.9mm**  
(0.15 in.)

●  
**4.9mm**  
(0.19 in.)

●  
**5.5mm**  
(0.22 in.)

●  
**6mm**  
(0.24 in.)

# HIGH-PERFORMANCE VIDEO SYSTEMS

## Configuration Guide

TOLL FREE (800) 697-8665  
FAX (212) 431-6499  
www.generaltools.com



**DCS1800**  
High-Performance Wireless  
Recording Video Borescope  
System (see page 8)



**DCS1800ART**  
High-Performance Wireless Recording  
Video Borescope System with  
Articulating Probe (see page 9)



**DCS1700**  
The VIPER 1700 Super  
High-Performance VGA  
Recording Video  
Borescope System  
(see pp. 10, 11)



**DCS1600**  
High-Performance Wireless  
Recording Video Borescope  
System (see page 12)

### SYSTEM CONFIGURATION/PROBE COMPATIBILITY CHART

Probe Model No. (SKU)	PROBE DESCRIPTION				CONSOLES/PROBE CONTROLLER							
	Probe Description	Camera Head Diameter	Probe Length	Depth of Field	DCS1800-TR Wireless Probe Handle/ Controller	H16 Handheld Recording Console	H8 Rugged Compact VGA Recording Console	H17 Handheld VGA Recording Console				
SUPER HIGH-PERFORMANCE PROBE OPTIONS												
P16181HP	VGA Resolution Probes	5.5mm (0.22 in.)	1m (3.3 ft.)	0.25 to 12 in. (6.4 to 300mm)		✓						
P16182HP			2m (6.6 ft.)									
P16183HP			3m (9.8 ft.)									
P16HPART	VGA Resolution Articulating Probes	6.0mm (0.23 in.)	1m (3.3 ft.)									
P16HP2ART			2m (6.6 ft.)									
P16HP3ART			3m (9.8 ft.)									
HIGH-PERFORMANCE PROBE OPTIONS												
FLEXIBLE-OBEDIENT PROBE OPTIONS												
P16181SR-M	Flexible-Obedient Probes	5.5mm (0.22 in.)	1m (3.3 ft.)	0.25 to 12 in. (6.4 to 300mm)		✓						
P16182SR-M			2m (6.6 ft.)									
P16183SR-M			3m (9.8 ft.)									
SOFT METAL PROBE OPTIONS												
P16ART-1SM	Soft Metal Articulating Probes	6.0mm (0.23 in.)	1m (3.3 ft.)	0.25 to 12 in. (6.4 to 300mm)		✓						
P16ART-2SM			2m (6.6 ft.)									
P16ART-3SM			3m (9.8 ft.)									
P18ART-1SM			1m (3.3 ft.)									
P18ART-2SM			2m (6.6 ft.)									
P18ART-3SM			3m (9.8 ft.)									
P16181SM-M	Soft Metal Probes	5.5mm (0.22 in.)	1m (3.3 ft.)					✓				
P16183SM-M			3m (9.8 ft.)									
P16185SM-M			5m (16 ft.)									
P161810SM-M			10m (32 ft.)									
P161830SM-M			30m (98 ft.)									
RP1618	Reel Stand for 5m, 10m and 30m Soft Metal Probes	N/A				✓						
SPECIALTY PROBE OPTIONS												
P1839-M	Ultra-Slim Flexible-Obedient Probes	3.9mm (0.15 in.)	0.75m (2.5 ft.)	0.25 to 6 in. (6.4 to 150mm)		✓						
P16182-39			2m (6.6 ft.)									
P16183-39			3m (9.8 ft.)									
P1618FS-49	Switchable Front/Side View Flexible-Obedient Probes	4.9mm (0.19 in.)	1m (3.3 ft.)									
P16182-49			2m (6.6 ft.)									
P16183-49			3m (9.8 ft.)									
P16PIP	Pipe & Duct Inspection Probe & Reel Set	28mm (1.1 in.)	22m (72 ft.)	0.4 in. (10mm) to infinity								
ACCESSORIES												
HT1618	Telescoping Rigid Holding Tube for Articulating Probes	N/A				✓						
PM003	Set of 3 Mirrored Viewing Tips (70°, 90°, 110°) for all 5.5mm probes except the P16181HP, P16182HP and P16183HP											

\*DCS1800-TR (see p. I-23) enables DCS1800ART owners to add a non-articulating probe or the P16HPART, P16HP2ART or P16HP3ART VGA Resolution Articulating Probe;

DCS1800-TR does not include the DCS1800 Receiving Console

N/A: Probe is not compatible





# HIGH-PERFORMANCE VIDEO SYSTEMS

## Configuration Guide



**DCS16HPART**  
High-Performance Recording Video Borescope System with VGA Resolution Articulating Probe (see page 13)



**DCS1100**  
High-Performance Borescope System with 4.9mm Switchable Front/Side View Probe (see page 15)



**DCS800**  
Rugged Compact High-Performance VGA Recording Video Borescope System (see page 16)

**DPS16**  
Pipe & Duct Wireless Recording Video Borescope System (see page 14)



### SYSTEM CONFIGURATION/PROBE COMPATIBILITY CHART

Probe Model No. (SKU)	HIGH-PERFORMANCE VIDEO BORESCOPE SYSTEMS							
	DCS1800 Wireless Recording Video Borescope System	DCS1800ART Wireless Recording Borescope System w/ Articulating Probe	DCS1700 The VIPER Super VGA Recording Video Borescope System	DCS1600 Recording Video Borescope System	DCS16HPART High-Performance Recording Video Borescope System with VGA Resolution Articulating Probe	DPS16 Pipe & Duct Recording Video Borescope System	DCS1100 Video Borescope System w/ 4.9mm Switchable Front/ Side View Probe	DCS800 Rugged Compact VGA Recording Video Borescope System
SUPER HIGH-PERFORMANCE PROBE OPTIONS								
P16181HP			INCLUDED		✓			
P16182HP					✓			
P16183HP	✓	*		✓		✓	N/A	✓
P16HPART			✓		INCLUDED			
P16HP2ART					✓			
P16HP3ART								
HIGH-PERFORMANCE PROBE OPTIONS								
FLEXIBLE-OBEDIENT PROBE OPTIONS								
P16181SR-M	INCLUDED			INCLUDED				INCLUDED
P16182SR-M	✓	*	✓	✓	✓		✓	✓
P16183SR-M								
SOFT METAL PROBE OPTIONS								
P16ART-15M			✓		✓		✓	✓
P16ART-25M	N/A	N/A						
P16ART-35M								
P18ART-15M		INCLUDED						
P18ART-25M	✓	✓	N/A		N/A		N/A	N/A
P18ART-35M								
P16181SM-M								
P16183SM-M		*	✓		✓		✓	✓
P16185SM-M	✓							
P161810SM-M								
P161830SM-M								
RP1618	✓	*	✓		✓		✓	✓
SPECIALTY PROBE OPTIONS								
P1839-M							✓	
P16182-39								
P16183-39	✓	*	✓		✓		INCLUDED	✓
P1618FS-49								
P16182-49							✓	
P16183-49								
P16PIP	✓		✓		✓	INCLUDED	N/A	✓
ACCESSORIES								
HT1618		✓						
PM003	✓	*	✓		✓		✓	✓