

# iVision 20 Series

iVision 20sx+ • iVision 20HD



## PERFORMANCE SPECIFICATIONS

### Color Wheel Options:

(XB): Balanced Luminance and Chroma  
(XL): Enhanced Luminance  
(XC): Enhanced Chroma

### Brightness (±10%) / Contrast (full on/full off)

20sx+: 2,800 / 2500:1

20sx+ XB: 2800 / 2500:1  
20sx+ XL: 3300 / 2500:1  
20sx+ XC: 2400 / 2500:1

20HD-XB: 1900 / 2500:1  
20HD-XC: 1400 / 4000:1

### Display Type

sx+: .95" DarkChip3™ DMD  
HD : .8" DarkChip3™ DMD

### Sequential Color Management

Seven-segment color wheel with Brilliant Color™

### Native Resolution

sx+: 1400 x 1050 pixels  
HD : 1280 x 720 pixels

### Computer Compatibility

Up to 1920 x 1080

### Video Compatibility

sx+ / HD :  
HDTV 1080p, 1080i, 720p, EDTV  
576p, 576i, 480p, 480i, NTSC, PAL,  
SECAM

### Aspect Ratio (native)

sx+: 4x3  
HD : 16x9

### Bandwidth (up to)

205 MHz on analog RGB  
160 MHz on DVI  
75 MHz on component input

### Throw Ratio

sx+: 1.78 - 2.23:1  
sx+ W: 1.0:1  
sx+ UW: 0.8:1  
sx+ L: 2.7 - 4.1:1

HD : 1.95-2.43:1  
HD-W: 1.1:1  
HD-L: 2.96 - 4.47:1

### Throw Distance

1.5-10 meters (5-33ft)

### Image Size

sx+: 0.5 - 20 meters (2 - 15ft) wide  
HD : 0.5 - 7 meters (2 - 15ft) wide

### Lens Shift

sx+: + .5 frame vertical, .0 frame horiz.  
HD : + .6 frame vertical, .0 frame horiz.

### Lamp Type

220W UHP™

### Lamp Life (Typical)¹

4,000 hours (economy mode)  
2,000 hours (normal mode)

### Mechanical Mounting

Front/rear table  
Front/rear ceiling  
Adjustable front/rear feet

### Operating Noise Level

<30db

### Dimensions (chassis only)

9.2in(L) x 10.9in(W) x 3.7in(H)  
234mm(L) x 278mm(W) x 94mm(H)

### Weight (chassis only)

2.55kg (6lbs)

### Standard Accessories

IR remote control, cable cover

### Cabinet Color

sx+ / HD: Graphite - standard

## Overview

Digital Projection International proudly introduces the second generation of our compact single-chip DLP displays - the iVision 20 series. The iVision 20HD and 20sx+ embody the most compact and ultra-quiet implementation of DarkChip3™ single-chip DLP technology available today. The iVision 20sx+ employs an SXGA+ native resolution DMD, producing up to 3,300 ANSI lumens and 2500:1 contrast. The iVision 20HD employs a DMD with 1280 x 720 pixels and produces stunning contrast up to 4000:1. Equipped with DP's ColorMax™ technology, three different factory installed color wheels are available, allowing the user to select the product / color-wheel combination that provides the best balance of lumens and color depth to match their application.

The iVision 20's intuitive user interface and extensive source compatibility render them simple to integrate, control and operate. These new iVisions feature an on-axis optical design, supported by a geometrically precise zoom lens or three optional short throw or long-throw fixed lenses. Vertical lens shift with more than a full frame of shift range provides maximum installation flexibility. The projectors' low-cost, ultra efficient UHP lamp system and inherent digital stability position the iVision 20 series as best-in-class projection solutions for a diverse range of customers and applications, including:

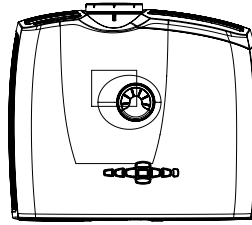
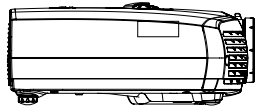
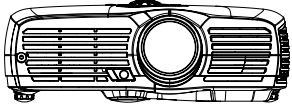
- Dramatic home entertainment • Digital media and advertising
- Corporate boardrooms and teleconferencing suites
- Training and education • Retail and entertainment
- Religious venues/houses of worship • Casinos and hospitality
- Military simulation/command and control • Immersive visualization

As is the case with all Digital Projection displays, our careful engineering guarantees the iVision 20 series provide remarkable imaging and reliability for the long-term. Equally important, our legacy in superior customer and technical services assures our experienced support staff is always available to address your needs.

The iVision 20 series - compact and capable single-chip displays - bringing the precision of Digital Projection to every venue.

## INPUT / OUTPUT CAPABILITIES

Input	Connector	Quantity
VGA/analog RGB	D Sub (15-pin)	1
DVI (Digital RGB)	DVI-D	1
Component Video (SDTV/HDTV)	RCA x 3	1
S-Video	4-pin mini DIN	1
Composite Video	RCA	1
<b>Control &amp; Integration:</b>		
USB for mouse connection and firmware upgrade	USB	1
LAN	RJ45	1
Audio / Speaker input (sx+ only)	stereo mini jack	1
Wired Remote	stereo mini jack	1



### Projector Dimensions

Projector dimensions (in) L1 9.2 W1 10.9 H1 3.7	Projector dimensions (mm) L1 234 W1 278 H1 94
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iVision 20 back panel

## ADVANCED TECHNICAL SPECIFICATIONS

PARAMETERS	 
HDTV Formats Supported	1080i, 720p, 576i/p, 480i, 480p
Scan Rates Supported	Horizontal: 120kHz; Vertical: 50-110Hz
Remote Control	Remote wireless IR
Automation Control	RS232 9-pin D sub / RJ45 LAN
Operating/Storage Temperature	Operating: 0 to 40°C at 0-1500m, 0 to 35°C at 1500-3000m / Storage: -10 to 45°C
Operating Humidity	20 to 90% RH
Thermal Dissipation	1200 BTU/hr
Fan Noise	28dB at 20°C (68°F)
Power Requirements	90-260 VAC, 50/60Hz
Power Consumption	350W
Safety and EMC Regulations	UL, CE, FCC Class A

### Projector\*

Projector*	Lens	Part #
iVision 20sx+	1.78 - 2.23:1	105-489A
iVision 20sx+ XB	1.78 - 2.23:1	107-715
iVision 20sx+ XL	1.78 - 2.23:1	107-716
iVision 20sx+ XC	1.78 - 2.23:1	107-717
iVision 20sx+ W XB	1.0:1	107-718
iVision 20sx+ W XL	1.0:1	107-719
iVision 20sx+ W XC	1.0:1	107-720
iVision 20sx+ UW XB	0.8:1	107-721
iVision 20sx+ UW XL	0.8:1	107-722
iVision 20sx+ UW XC	0.8:1	107-723
iVision 20sx+ L XB	2.70 - 4.10:1	107-724
iVision 20sx+ L XL	2.70 - 4.10:1	107-725
iVision 20sx+ L XC	2.70 - 4.10:1	107-726

### Projector\*

Projector*	Lens	Part #
iVision 20HD XB	1.95 - 2.43:1	107-709
iVision 20HD XC	1.95 - 2.43:1	107-711
iVision 20HD-W XB	1.1:1	107-712
iVision 20HD-W XC	1.1:1	107-714
iVision 20HD-L XB	2.96 - 4.47:1	108-695
iVision 20HD-L XC	2.96 - 4.47:1	108-696

### Accessories

Accessories	Part #
220 Watt Lamp & Housing	105-495
iVision 20 Adjustable ceiling mount	106-958
Infrared remote (replacement)	105-494
24/7 Maintenance Kit	107-747

\* 1 Based on 4-6 hour/day operational profile. Venue and application conditions may impact actual lamp life. See Digital Projection's Product Warranty Statement for details on lamp warranty.

