**BID NO.  SFHS-CAM**

<u>SANTA FE HIGH SCHOOL</u>

<u>**VIDEO CAMERAS INSTALLATION**</u>

<u>**ADDENDUM # 1**</u>
**February 21, 2014**

The following revisions/clarifications shall be made to the drawings and specifications and shall be incorporated into the bid for the above job. These notes and/or drawings shall supercede all previous notes or drawings as relevant. However, in no way shall this addendum be construed to delete or void the scope or conditions of the work previously described or shown except where explicitly stated in this addendum. Contractor must provide all labor and materials normally associated with the work items described below as necessary to provide a complete and operational installation, including the work of other trades.

**A. Clarifications:**

1. Refer to Revised Campus Map (RFP page 281).  Camera removed from building 'N'. Also, Bldg. 'N' is not on the Camera Types & Locations (RFP page 282).

2. *Question:* Can camera #4 in building 'O' feed from building 'L' instead of 'K'? *Answer:* No, bid per original location.

3. *Question:* Contractor is suggesting camera 4 to be mounted in building 'L'. *Answer:* No, bid per original location.

4. The height on camera #2 in building 'CC' can be at the height of satellite dish.

5. *Question:*  Camera #2 change to bullet style? *Answer:* Yes, Sony CH260 bullet type will be provided by district at this location, see revised 'Camera Types & Locations'.

6. Camera #1 can be at the same height as camera #2.

7. Camera #6 and #7 should be near building BB room 8.  See Revised Campus Map.

8. Camera #13 and #14 should be up on the roof.

9. *Question:*  Camera #9 and #10 maybe easier to relocate to building 'DD'. *Answer:*  Bid per original location.  (There is no IDF in 'DD', so the line would still need to feed from 'CC').  Note that Contractor needs to provide all mounting accessories to adapt the cameras provided by the District to the condition in the field as per attached; i.e., to mount a dome camera to a vertical wall, use UNI-MDB3 mount.  Refer to attached Sony mounting accessories catalog.

10. Room R8, Q6, building 'O', building 'F', and building 'E' do not have T-bar tile ceilings. See revised Campus Map showing Roof & Ceiling Types.

11. Refer to RFP page 277 B3, page 279 Part 2, 2.01 B, and page 280 General Notes 7. The total number of OnSSI camera licenses is twenty one (21), not 19. The Contractor does not need to purchase the camera software license support, only the licenses are needed.

12. Refer to RFP page 194, Part 1.02 Item A.2. This should read: "Contractor provides mounting for Sony cameras when necessary (i.e. gooseneck)", in lieu of "Contractor provides housings for 13 Sony CH-180 bullet cameras". Sony CH180 cameras already come with its' own housing.

13. Refer to RFP Page 279, Part 2.01 Item C. Replace "Cat5e PVC" with "CAT5e plenum".

## B. Bidder Questions:

14. PG 192 of spec states contractor to supply 20 OnSSI camera licenses. Page 280 states contractor must supply 19 camera licenses. Please confirm exact quantity needed. *Answer:* See Item 11 above.

15. For the ONSSI camera licenses do they also want to buy the camera support contracts? *Answer:* No, see Item 11.

16. Page 194 states Contractor provides housings for 13 Sony CH-180 bullet cameras. The Sony CH-180 bullet cameras are already outdoor ready and are in a housing already. In addition the housing is not sold separately. Please confirm if any housings are needed, the model #s and quantities. *Answer:* See Item 12 above.

17. Page 195 states all cabling shall be Cat5e plenum rated. Page 279 states all cable shall be Cat5e PVC. Which is the correct cable? *Answer:* See Item 13 above.

18. Is it acceptable to penetrate through window moldings rather than through concrete walls if needed? *Answer:* For bid purposes bidders should assume that conduit must be routed through the concrete wall in a location approved by the architect.

19. On Bldg "J" where conduit is required. Are the interior walls that divide the classrooms concrete? *Answer:* For bid purposes it shall be assumed that one interior wall in Bldg J is masonry and that the rest are metal or wood stud walls.

## Drawing:

1. See revised campus map indicating the roof and ceiling construction on each building.

2. See revised campus map for relocated cameras on Bldg. 'BB'

3. See revised Campus Map for additional camera on front entry gate area.

4. See revised Camera Types & Locations: Item 4 & 5 (Camera #1 & #2) are to be 'Bullet' camera type.

Please acknowledge receipt of this addendum, by return fax (562) 907-6971 and submit with original Bid Package still due Tuesday, 2:00 p.m. on February 25, 2014

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ACKNOWLEDGED: **Addendum No. 1 – Santa Fe High School Video Cameras Installation** - *Bid No.* **SFHS-CAM**

CONTRACTOR NAME:

PRINT NAME:


Signature                                   DATE
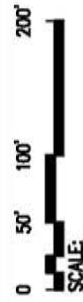
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# Santa Fe High School

## 10400 SOUTH ORR & DAY RD. SANTA FE SPRINGS, CA. 90670 (562) 698-8121 x4000
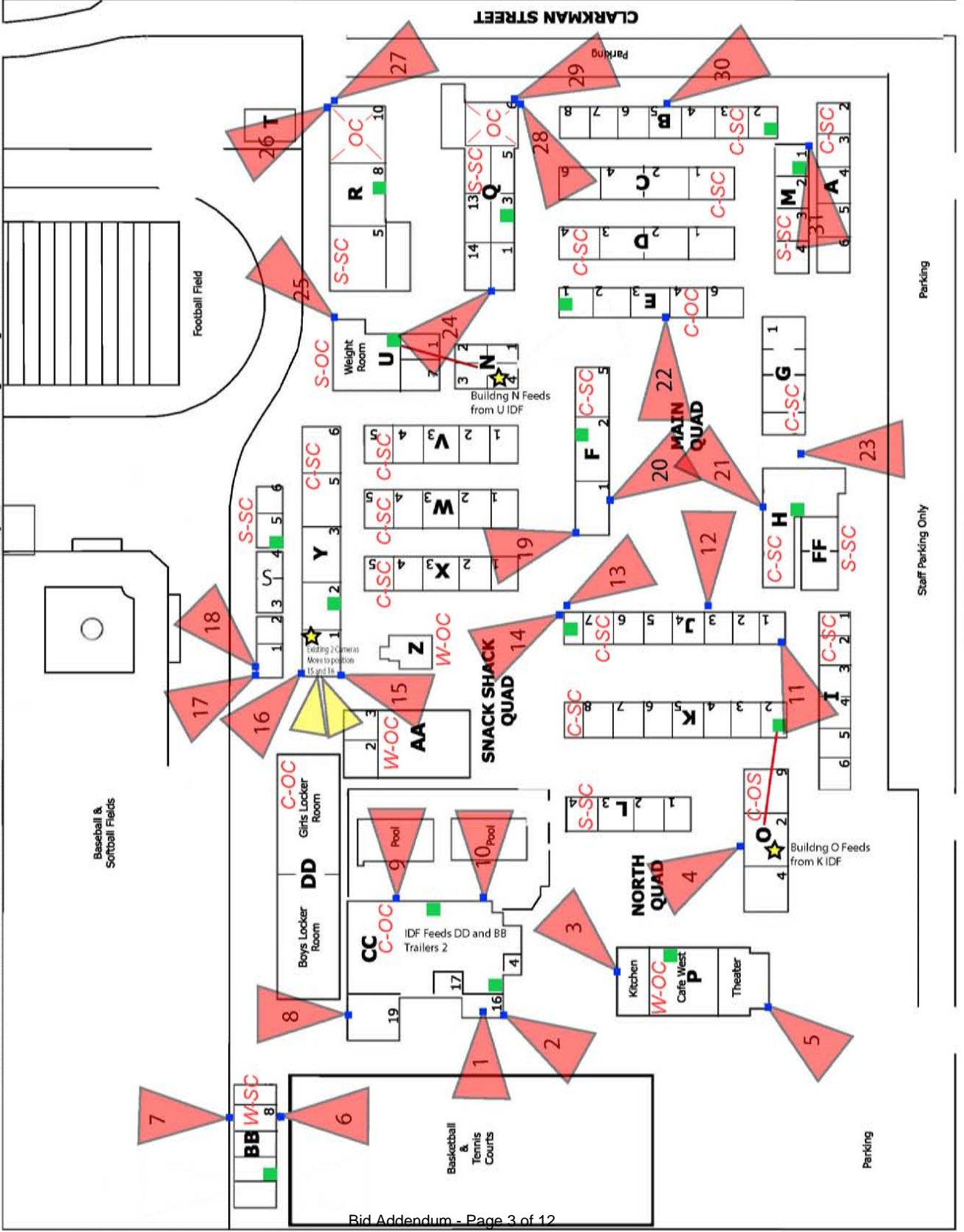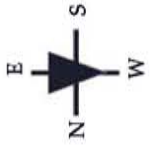
SANTA FE HIGH SCHOOL

### CAMPUS LEGEND

△ =Camera angle

▪ =Camera position

▪ =IDF location

★ =See notes

△ =Existing Camera

SCALE: 0  50'  100'  200'

### ROOF & CEILING LEGEND

W- Wood Frame Roof
C- Concrete Deck
S- Steel Deck
-SC Suspended Ceiling
-OC Open Ceiling

N E S W

CLARKMAN STREET

ORR & DAY ROAD

Parking
Staff Parking Only

Football Field

Baseball & Softball Fields

Basketball & Tennis Courts

Weight Room — U

Building N Feeds from U IDF — N

Building O Feeds from K IDF — O  C-OS

IDF Feeds DD and BB Trailers 2

Existing 2 Cameras Move to position 15 and 16

Boys Locker Room — CC  C-OC

Girls Locker Room — DD  C-OC

Kitchen

Cafe West — P  W-OC

Theater

NORTH QUAD

MAIN QUAD

SNACK SHACK QUAD

R  S-SC
Q  S-SC
B  C-SC
C  C-SC
D  C-SC
A  C-SC
M  S-SC
E  C-OC
F  C-SC
G  C-SC
H  C-SC
FF  S-SC
V  C-SC
W  C-SC
X  C-SC
Y  S-SC
Z  W-OC
AA  W-OC
S  S-SC
K  C-SC
T  C-SC
L  S-SC
J  S-SC
BB  W-SC

Pool 9
Pool 10

# CAMERA TYPES LOCATIONS

| item # | Bldg | Camera # on map | Camera type | Camera Model | Notes |
|---|---|---|---|---|---|
| 1 | B | 30 | Dome | DH180 | Conduit |
| 2 | BB | 6 | Dome | DH180 | N/A |
| 3 | BB | 7 | Dome | DH180 | N/A |
| 4 | CC | 1 | Bullet | CH260 | Conduit |
| 5 | CC | 2 | Bullet | CH260 | Conduit |
| 6 | CC | 8 | Bullet | CH180 | Conduit |
| 7 | CC | 9 | Bullet | CH180 | Conduit |
| 8 | CC | 10 | Bullet | CH180 | Conduit |
| 9 | E | 22 | Bullet | CH180 | Conduit |
| 10 | F | 19 | Bullet | CH180 | (upgrade to 3560-12)– Conduit |
| 11 | F | 20 | Bullet | CH180 | Conduit |
| 12 | H | 21 | Dome | DH180 | Conduit |
| 13 | J | 11 | Bullet | CH180 | Conduit |
| 14 | J | 12 | Bullet | CH180 | Conduit |
| 15 | J | 13 | Bullet | CH180 | N/A Mount to building |
| 16 | J | 14 | Bullet | CH180 | Conduit and Gooseneck |
| 17 | M | 31 | Dome | DH180 | N/A Mount to building |
| 18 | O | 4 | Bullet | CH180 | Conduit |
| 19 | P | 3 | Dome | DH180 | Conduit may need Gooseneck |
| 20 | P | 5 | Bullet | CH180 | N/A |
| 21 | Q | 24 | Dome | DH180 | upgrade to 3560-12  N/A |
| 22 | Q | 28 | Dome | DH180 | N/A Mount to building |
| 23 | Q | 29 | Dome | DH180 | N/A Mount to building |
| 24 | R | 26 | Dome | DH180 | upgrade to 3560-48 or get a non-POE for workstation  - N/A |
| 25 | R | 27 | Dome | DH180 | N/A |
| 26 | S | 17 | Dome | DH180 | N/A Mount to building |
| 27 | S | 18 | Dome | DH180 | N/A Mount to building |
| 28 | U | 25 | Dome | DH180 | N/A place on highest point |
| 29 | Y | 15 | Bullet | CH180 | move existing camera -Possible Conduit |
| 30 | Y | 16 | Bullet | CH180 | refocus - N/A |
| 31 | H | 23 | Dome | DH180 | data line feeds from 'H' |

All security cameras will be on existing Power Over Ethernet switches.

Total Cameras: 30 (15 DH180, 12 CH180, 2 CH260 and 1 move)
All cameras need to be mounted and connected to the network.

# SNCDH180

Network 720p HD Vandal Resistant Minidome
Camera with View-DR Technology and IR Illuminator

$1,748.00 U.S. List Price

Have Sony Contact You          Locate a Reseller

UPC:027242257504

Zoom Image

Sony is pleased to introduce the SNC-DH180, a powerful new addition to its network HD camera lineup. This vandal-resistant, wide dynamic range camera is designed with a built-in infrared (IR) illuminator. As a dual-stream network camera, it supports H.264, MPEG-4, and JPEG compression formats, and delivers excellent picture quality in HD 720p resolution at 30 frames per second (fps). Incorporating the new Exmor™ CMOS image sensor from Sony, which is specially designed for surveillance applications, this rugged camera features Sony's latest image-enhancement technology, View-DR, which demonstrates an extremely wide dynamic range. The SNC-DH180 also features an IR illuminator to deliver quality images even in absolute darkness (0 lx)*. Along with a host of superb features such as DEPA™ Advanced, PoE, a built-in heater, and the Easy Focus/Easy Zoom function, the SNC-DH180 minidome network camera is ideal for the most demanding surveillance applications.

Highlights:

- Superior 720p HD picture quality, supporting H.264 at 30 fps
- Maximum reoslution 1280 x 1024
- The new Exmor CMOS sensor achieves high image quality and high sensitivity
- Clearly see objects in the dark up to 15 m (49 feet) away with IR Illuminators
- Superb dynamic range using newly developed View-DR (Visibility enhanced wide Dynamic Range) technology
- The Visibility Enhancer optimizes contrast and makes the subject more visible, even in severe backlight or shadow conditions
- XDNR (eXcellent Dynamic Noise Reduction) technology for clear images without motion blur under low illumination
- Easy Focus function/Easy Zoom function
- DEPA Advanced Intelligent Video and Audio Analytics trigger an alarm, based on user-defined rules

- Intelligent Motion Detection
- Tamper Alarm
- Advanced Audio Detection
- Three codecs (H.264, MPEG-4, JPEG) with dual streaming capability
- Power over Ethernet (PoE) capability
- Built-in heater
- IP66 Rated
- ONVIF™ Software (Open Network Video Interface Forum)
- Vandal Resistant - IK10 rated

| Camera Specifications | Detail: |
| --- | --- |
| IP/Analog | IP |
| Image Device | 1/3 type progressive scan Exmor CMOS sensor |
| Effective Pixels | 1.4 Megapixel (1329 x 1049) |
| Minimum Illumination | Color: 0.2lx, BW: 0.0lx IR ON (F1.2/ View-DR OFF/VE Off/AGC High 48dB max/XDNR Middle/50IRE [IP]) |
| Lens Type | Vari-focal lens |
| Focal Length | f=3.1 mm to 8.9 mm |
| F-Number | F1.2 (Wide), F2.1 (Tele) |
| Compression Format | H.264, MPEG-4, JPEG |
| Day Night | Yes (True day/night) |

| | |
|---|---|
| Wide-D | Yes |
| Zoom Ratio | Optical 2.9X |
| Minimum Object Distance | 300 mm |
| White Balance Mode | Auto (ATW, ATW-PRO), Preset, One-push WB, Manual |
| Horizontal Viewing Angle | 85.4 to 31.2 degrees |
| Electronic Shutter | 1s to 1/10000s |
| Exposure Control | Auto, EV Compensation, Auto Slow Shutter |
| Gain | Auto (3 levels) |
| Other Functions | Easy Focus<br>Easy Zoom<br>Wide-D/Dynamic Range - View-DR 130 dB<br>Noise reduction - XDNR<br>Vandal resistant (IK10) |
| Image Specifications | Detail: |
| Image Size | 1280 x 1024, 1280 x 960, 1280 x 800, 1280 x 720, 1024 x 768, 1024 x 576, 800 x 480, 768 x 576, 720 x 576,<br>720 x 480, 704 x 576, 640 x 480, 640 x 368, 384 x 288, 320 x 240, 320 x 192 (H.264, MPEG-4, JPEG) |
| Compression Format | H.264, MPEG-4, JPEG |
| Frame Rate | H.264: 20fps (1280 x 1024) / 30 fps (1280 x 720)<br>MPEG-4: 25fps (1280 x 1024) / 30 fps (1280 x 720)<br>JPEG: 30fps (1280 x 1024) / 30 fps (1280 x 720) |
| Analog Video Output Specifications | Detail: |
| Signal System | NTSC / PAL |
| Interface Specifications | Detail: |
| Network | 10BASE-T / 100BASE-TX (RJ-45) |
| External Microphone Input | Mini-jack (Monaural), MIC IN/LINE IN: 2.5VDC plug-in power |
| Analog Video Output | BNC x 1, RCA x 1 |
| Audio Line Output | Mini-jack (Monaural), Max output level: 1 Vrms |
| General Specifications | Detail: |
| Power Requirements | PoE (Class 0)<br>AC 24, DC 12V |
| Power Consumption | 28 W max |
| Operating Temperature | -4°F to 122°F (-20°C to +50°C) |
| Storage Temperature | -4°F to +140°F (-20°C to +60°C) |
| Compression | H.264, MPEG4, JPEG |
| FPS | variable up to 30 |
| Resolution | 1.3 megapixel/720p |
| Network Specifications | Detail: |
| Protocols | IPv4, IPv6, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP (client only),<br>SMTP, DHCP, DNS,NTP, RTP/RTCP, RTSP, SNMP (MIB-2) |
| Number of Clients | 10 |
| Authentication | IEEE802.1X |
| System Requirements Specifications | Detail: |

| Operating System | Microsoft Windows XP™, Windows Vista™ (32bit), Windows® 7 (32bit) |
|---|---|
| Processor | Intel Core2 Duo® 2 GHz or higher |
| Memory | 1 GB or more |
| Web Browser | MS Internet Exp 6.0,7.0,8.0; Firefox 3.5, Safari 4.0, Google Chrome 4.0 (Plug-in free viewer only) |

## Optional Accessories

| Model: | Description: | U.S. List Price: | |
|---|---|---|---|
| YTICB45 | In-Ceiling Mount Kit | $84.50 | Get details |
| UNIMDB3 | Pendant Bracket Designed for the SNC-DM160 & SNC-DS60 cameras. | $162.50 | Get details |

## Brochure

| Description: | Release Date: | Type/Size: | |
|---|---|---|---|
| Housing Brochure 2009 | | pdf / 704K | Download now |
| SNC-DH180 Preliminary Brochure | | pdf / 999K | Download now |
| Benefits of View-DR/DynaView/Visibility Enhancer Brochure | 07/01/2010 | pdf / 982K | Download now |
| Benefit of XDNR Brochure | 07/01/2010 | pdf / 2,183K | Download now |

## User Manual

| Description: | Release Date: | Type/Size: | |
|---|---|---|---|
| SNC-DH180 / DH280 Installation Manual | | pdf / 3,239K | Download now |
| SNC-CH140 / CH180 / CH240 / CH280 SNC-DH140 / DH140T / DH180 / DH240 / DH240T / DH280 User's Guide | | pdf / 4,967K | Download now |

## Specification Sheet

| Description: | Release Date: | Type/Size: | |
|---|---|---|---|
| SNC-DH180 Datasheet | | pdf / 985K | Download now |
| SNCDH180 Data Sheet | | pdf / 922K | Download now |

Sony.com ▶

## YTICB45
### In-Ceiling Mount Kit

$84.50 U.S. List Price

Have Sony Contact You

UPC:027242240636

Zoom Image

In-Ceiling Mount Kit for SNC-DH140, DF50N, SNC-DF80N, DF85N, DM110, DM160, DS10, DS60, SSC-CD45, CD49, CD75, CD77 and CD79

### Brochure

| Description: | Release Date: | Type/Size: | |
|---|---|---|---|
| Housing Brochure 2009 | | pdf / 704K | Download now |

### User Manual

| Description: | Release Date: | Type/Size: | |
|---|---|---|---|
| YT-ICB45 Installation Instructions | 11/10/2009 | pdf / 1,383K | Download now |

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## Product Configurator

Begin by selecting your camera type or camera model and other housing requirements. Once selections are made click 'submit' and the housing and/or mounting options will be shown to the right.

\* Required Fields

| | |
|---|---|
| \* Camera Type: | Outdoor Minidome ▾ |
| \* Camera Model: | SNC-DH160/180/260/280 ▾ |
| Environment: | Outdoor ▾ |
| Mounting Type: | Pendant Shroud ▾ |
| Enclosure Style: | Standard ▾ |
| Dome: | N/A ▾ |
| Is Wireless Ready: | No ▾ |
| Input Voltage: | N/A (no elec) ▾ |

[ Clear ]   [ Submit ]

🖶 Print

### UNI-MDB3

Pendant adaptor with gooseneck wall mount bracket. 1`` threaded on pendant adaptor. For use with SNC-DH160/180/260/280, DS60, DM160 cameras

[ View Details ]

⊕ Optional Accessories:

## UNIMDB3

Pendant Bracket Designed for the SNC-DM160 &
SNC-DS60 cameras.

**$162.50** U.S. List Price

Have Sony Contact You               Locate a Reseller

Product
Image Not
Available

Zoom Image

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The UNI-MDB3 pendant mount adapter is for use with the SNC-DS60 and the SNC-DM160 IP66 rated, vandal resistant minidome cameras. The UNI-MDB3 is shipped with a 1" NPT gooseneck wall mount bracket.

Highlights:

- Pendant mount adapter for the SNC-DM160 and SNC-DS60
- Cast aluminum construction
- Includes 1" NPT gooseneck wall mount bracket
- 

### Brochure

| Description: | Release Date: | Type/Size: | |
|---|---|---|---|
| Housing Brochure 2009 | | pdf / 704K | Download now |

### Installation Guide

| Description: | Release Date: | Type/Size: | |
|---|---|---|---|
| UNI-MDB3_Installation_Manual.pdf | | pdf / 902K | Download now |

### Specification Sheet

| Description: | Release Date: | Type/Size: | |
|---|---|---|---|
| Housing Data Sheet | | pdf / 352K | Download now |

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Product Configurator

Begin by selecting your camera type or camera model and other
housing requirements. Once selections are made click 'submit' and
the housing and/or mounting options will be shown to the right.

* Required Fields

* Camera Type:        Box/Fixed ▼

* Camera Model:       SNC-CH180/CH160/CH280/CH260 ▼

Environment:          Outdoor ▼

Mounting Type:        Wall and Pole Mount Connection Box ▼

Enclosure Style:      Standard ▼

Dome:                 N/A ▼

Is Wireless Ready:    No ▼

Input Voltage:        N/A (no elec) ▼

[Clear]    [Submit]

🖶 Print

**UNI-BBB1**

SONY CH180/16/280/260 wall and pole mount connection box

[View Details]

## UNIBBB1

Aluminum back box with pole mount adaptor for the
SNC-CH180, CH160, CH280 and CH260

$88.00 U.S. List Price

Have Sony Contact You          Locate a Reseller

UPC:027242265233

Zoom Image

Aluminum back box with pole mount adaptor for the SNC-CH180, CH160, CH280 and CH260

Highlights :

* Aluminum back bow with pole mount adaptor for the
  SNC-CH180, CH160, CH280, CH260

### Specification Sheet

| Description: | Release Date: | Type/Size: | |
| --- | --- | --- | --- |
| Housing Data Sheet | | pdf / 391K | Download now |

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