

HuddleCam-HD™ 3X Wide

User Manual

Please read this Manual before setting up and using the camera to ensure it's best performance.

www.HuddleCamHD.com





Pre	<u>Precautions</u>			
Saf	ety Tips			
	Please read this manual carefully before using the camera.			
	Avoid damage from stress, violent vibration or liquid intrusion during transportation, storage or installation.			
	Take care of the camera during installation to prevent damage to the camera case, ports, lens or PTZ mechanism.			
	Do not apply excessive voltage. (Use only the specified voltage.) Otherwise, you may experience electrical shock.			
	Keep the camera away from strong electromagnetic sources.			
	Do not aim the camera at bright light sources (e.g. bright lights, the sun, etc.) for extended periods of time.			
	Do not clean the camera with any active chemicals or corrosive detergents.			
	Do not disassemble the camera or any of the camera's components. If problems arise, please contact your authorized dealer.			
	After long term operation, moving components can wear down. Contact your authorized dealer for repair.			
Sup	plied Accessories			
	HD Color Video Camera (1)			
	12V/2.0A DC Power Adapter (1)			
	Installation Bracket (1)			
	Installation Screw (1)			



Ш	USB 3.0 Data Lines (3m), Serial Control Line, RS-232C to RS-485 Cable			
	IR Remote Controller (1)			
П	User Manual (1)			
Ш	Osei Mailuai (1)			
Rear	Board Connectors			
. 10 01				
	High Definition Interface:	USB 3.0		
Control Signal Interface: mini DIN-8 (VISCA IN, VISCA OUT/RS485)				
	Control Signal Configuration:	Dip-Switch Pin 7/TTL Signal; Baud Rate: 9600bps		
	Power Supply Interface:	DC 12V Socket		
Elec	trical			
	Power Supply Adapter:	12V DC/2A		
	Input Voltage:	12V DC (10.5-14V DC)		
	Input Power:	24W (MAX)		
	mpact of the control			
Stru	cture			
	Material:	Aluminum, Plastic		
	Dimensions (W x H x D):	9.84 in. (250mm) x 5.51 in. (140mm)		
		x 6.06 in. (154mm)		
	Mass:	2.84 lbs. (1.29 kg.)		
	Working Environment:	Indoor		
	Operating Temperature:	32°F (0°C) to 113°F (45°C)		
	Storage Temperature:	-14°F (-26°C) to 140°F (60°C)		
	Color:	Silver Gray		



Rear Board & Function.....



1. Front View.....

1. Lens

3x Optical Zoom.

2. IR Receiver

To receive IR remote controller signal.

3. Power LED

Blue LED blinks when unit is powered.

4. Stand by LED

Orange LED blinks for Stand-By status, Blue LED for Working Status.

5. IR Receiver

To receive IR remote controller signal.

2. Rear View.....





6. Power Switch

Power On/Off button.

7. DC IN 12V Socket

Only use the Power Adapter supplied with this camera.

8. IR Receiver

To receive IR remote controller signals.

9. IR Selective Switch

When using only one remote to control more than one camera, this switch will assign a unique ID to each camera.

10. VISCA IN Port

For hard wired remote control from a 3rd party PC, joystick, etc...

11. VISCA Out Port/RS485

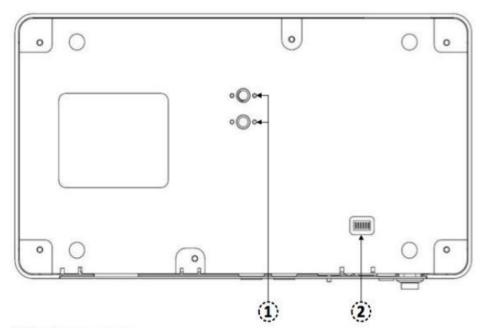
Used for daisy chaining multiple cameras for RS-232 RS-485 control.



12. USB 3.0 Interface

For connection to PC USB 3.0 port (also compatible with USB 2.0 port and driver).

2. BottomView.....



1. Tripod

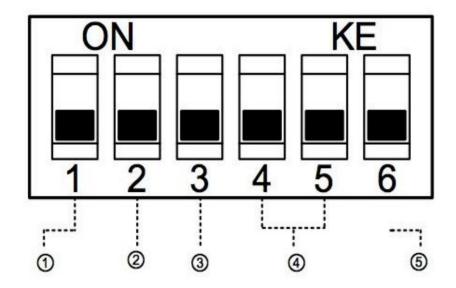
Will accept 1/4-20 bolt from 3rd party tripod, wall or ceiling mount.

2. Dip-Switch

Used for selecting baud rate and the remote signal output switch.



4. Dip-Switch Settings.....



Note: When changing Dip-Switch settings, make all changes with camera powered off.

Dip-Switch 1 - (To set communication baud rate).

Dip-Switch 2 - (To set control protocol).

Dip-Switch 3 - (Set only for firmware upgrading).

Dip Switch 4 & 5 - (To set camera's RS232/RS485 ID number - for daisy chain wired control).

Camera address code setting

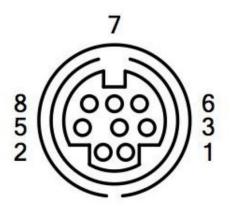
ounicia addices code setting		
	Dip-switch4	Dip-switch 5
1	OFF	OFF
1	OFF	ON
2	ON	OFF
3	ON	ON



Cable Connection Info.....

VISCA RS-232C - IN Reference.....

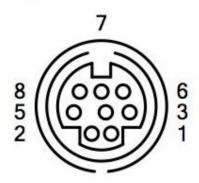
VISCA RS-232C IN



Pin S/N	Function	
1	DTR IN	
2	DSR IN	
3	TXD IN	
4	GND	
5	RXD IN	
6	GND	
7	IR Commander Signal OUTPUT	
8	NO Connection	

VISCA RS-232C - Out Reference.....

VISCA RS-232C OUT



D: C/N	Function		
Pin S/N	RS-232	RS-485	
1	DTR OUT	TX+	
2	DSR OUT	TX-	
3	TXD OUT		
4	GND		
5	RXD OUT		
6	GND		
7		RS-485 -	
8		RS-485+	



<u>OSD</u>	MENU		
	On Screen Display Menu - Use the OSD menu to access and change the camera's settings. Note: You cannot manually move the camera (pan/tilt) when the OSD menu is		
	visible on the screen.		
The I	Dome OSD Menu is as follows:		
	Pan Speed Set speed of Pan motor - Range =	Default Value: 20 1 - 63	
	Tilt Speed Set speed of Pan motor - Range =	Default Value: 20 1 - 63	
	Scan Speed (Auto Pan Mode) Set speed of boundary scan - Rang		
	Tour Path (uses presets) Select desired tour path - Range =	Default Value: 1 1 - 4	
	Tour Dwell Set duration to dwell on each pres	Default Value: 5 et - Range = 1 - 60	
	Proportion Set Proportion - Range = On - Off	Default Value: On	
	Auto Rev Set camera mounting orientation -	Default Value: P N for inverted ceiling mount	
	Frame Set Refresh Rate - Range = 50Hz o	Default Value: 60Hz r 60 Hz	



The Lens OSD Menu is as follows: П DISPLAY **Default Value: Off** On Screen Display = On or Off П DZOOM **Default Value: Off** Enable Digital Zoom = On or Off **Default Value: OFF BACKLIGHT** ON/OFF П Default Value: 3 NR (Noise Reduction) Adjustable Value: 0-5 WB (White Balance) **Default Value: Auto** Auto/Manual/Outdoor/Indoor/One Push/ATW (Manual Settings): R GAIN (Red Gain) Default Value: 64 Adjustable Scope: 0-255 ☐ B GAIN (Blue Gain) Default Value: 84 Adjustable Scope: 0-255 Ш AE (Auto Exposure) **Default Value: Auto** Auto/Manual (Manual Settings): **SHUTTER** Default Value: 1/1 Shutter Speed Range: 1/1-1/10000 IRIS Default Value: Close Close/F1.4-f22 **BRIGHT** Default Value: 0

Set Brightness 0 - 31



IR Remote Controller (Note: Some buttons do not operate for all camera models)

Reset:

Restarts the camera and restores it to Factory Default settings. (Note: Will delete all memory).

Camera Selection 2.

Select Camera ID: 1, 2 or 3

3. **Preset Positions**

1-9: Preset Positions Set: Setting Preset Position Clear: Clear Preset Position Call: Call Preset Position

Note: If you want to set (or call) the first preset position to 1, you should press

number key "1", then press

"Set" (or "Call") to set (call) the position.

Fast Zoom in/out Control Zone 4.

> +: Zoom in quickly -: Zoom out quickly

Pan/Tilt Controller 5.

- Move Up
- Move Down
- Move Left
- Move Right
- Auto Pan

Additional Function Zone 6.

Freeze: Image Freeze BL: Back-light Compensation

WB: White Balance AE: Auto Exposure D Zoom: Digital Zoom

HDMI: Swap to HDMI video output DVI: Swap to DVI video output

Format: Swap between different formats

Power Supply Switch 7.

Switch for turning camera on

(i.e. Stand-By mode vs. Working mode)

8. **OSD Menu Zone**

Dome OSD: Enter Pan Tilt Zoom OSD menu Lens OSD: Enter lens OSD menu

9. Slow Zoom In/Out Zone

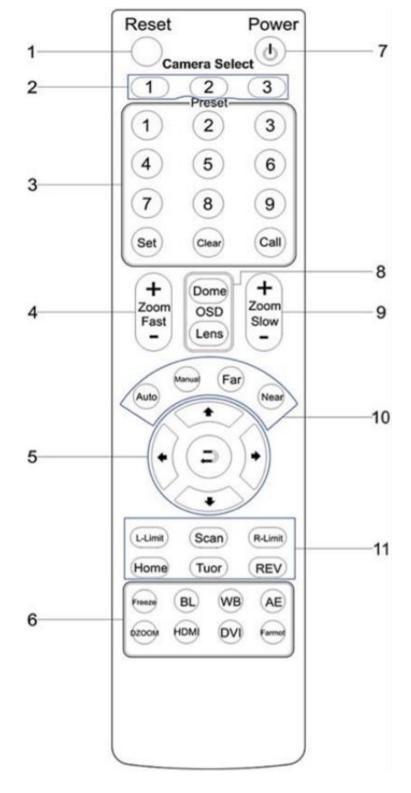
+: Zoom in slowly

-: Zoom out slowly

Focus Control Zone 10.

> Auto: Turn on auto focus Manual: Turn on manual focus Far: Set focus at farther distance

Near: Set focus at nearer distance





11. Pan/Tilt Function Zone

L-Limit: Set left boundary limit scanning position Scan: Enable Boundary Scanning (Auto Panning) R-Limit: Set right boundary limit scanning position

Home: Go to camera's Home position

Tour: Enable automatic patrol tour of presets Rev: Enable image flip for ceiling mounting

Connection Instructions.....

- 1. Connect included Power Supply to the camera.
- 2. Wait for camera to come to Home Position.
- 3. Connect included USB 3.0 cable to camera and USB 3.0 port of PC (unit is also backwards compatible with USB 2.0 port).
- 4. Select and configure camera in your software of choice.

NOTE: Failure to follow this sequence may result in no connection to PC.

Care Of The Unit.....

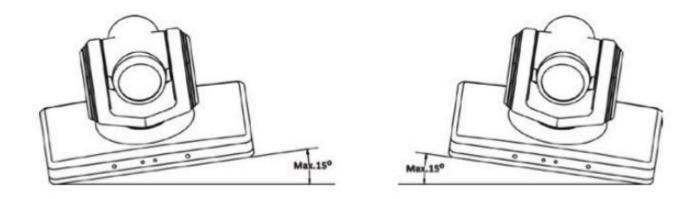
Remove dust or dirt on the surface of the lens with a blower (commercially available).



Installation Instructions.....

Desktop Installation.....

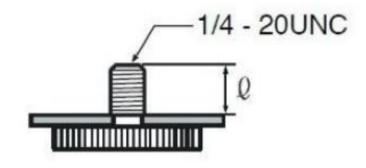
When using the HuddleCam[™] on a desk, Make sure that it will stand level. If you want to use the camera on an incline, make sure the angle is less than 15 degrees to ensure that the camera's pan and tilt mechanism operates normally.



Tripod Installation.....

When using the HuddleCam™ with a tripod, screw the tripod to the bottom of the camera. The tripod screw must fit below specifications:

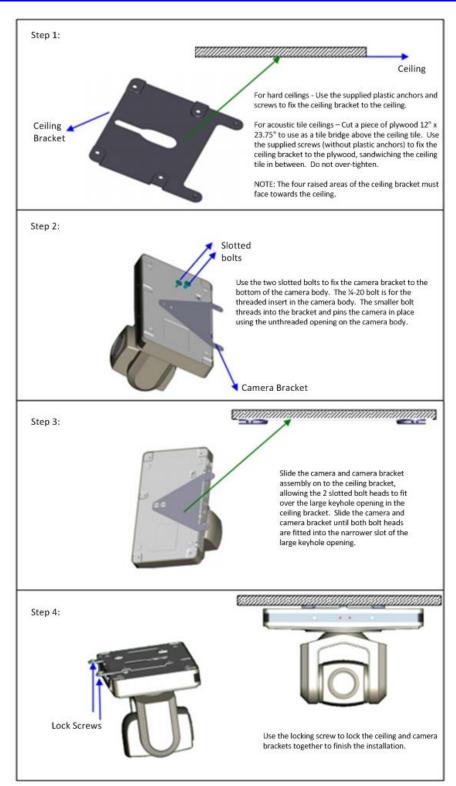
Note: Tripod must stand on a level surface.



$$Q = 5 - 7 \text{ mm}$$



Ceiling Mount.....





Troubleshooting.....

Problem	Cause	Resolution
There is no power to the	Power adapter is	Check the connections
camera.	disconnected from mains	between the camera,
	or from camera.	power adapter and mains.
		If anything is
		disconnected, reconnect
		it.
	Power switch is set to OFF.	Set the power switch to
		ON.
Camera will not connect to	USB cable is bad.	Try new USB Cable
the PC via USB.	Camera connects	Connect USB only after
	sometimes.	camera has completely
		booted.
Camera unable to pan,	Menu is currently	Retry after exiting the
tilt, and/or zoom.	displayed on the screen.	menu.
	Pan, tilt or zoom range	Try to pan/tilt/zoom in
	limit was reached.	the other direction.
Remote control not	The "camera select"	Choose the correct "IR
working.	button on the remote	select" number to match
	control is not set to match	camera settings.
	the "IR select" switch	
	number set on the camera.	
Camera cannot be	The connection between	Refer to Cable Connection
controlled via VISCA.	the PC and camera is	Info section of this
	incorrect.	manual.
	Commands being sent are	Refer to VISCA manual.
	incorrect.	
The Camera is not working	No response or image from	Disconnect power, and
at all.	camera.	wait a few minutes, then
		connect the power again.
		Retry.

HuddleCamHD



USB 3.0 provides high quality 1920x1080 pixels progressive @ 30fps