

Title:	Adding Arecont 180 degree	dding Arecont 180 degree camera (AV8185DN)					
Date:	04/14/2014	Version:	1.0	Pages	7		
Product:	9600 Series and 9016 Se	ries NVRs					
Action Required:	Information only						

Arecont 180 degree (AV8185) cameras have 4 imagers, yet only 1 IP address. The camera outputs 4 independent streams- <u>one stream per imager</u>. This creates a question: "How to add an Arecont 180 degree camera to a HikVision NVR?" Here is how it's done:

Log into the HikVision NVR using your web browser. From the configurations go to the "Camera Management" (Figure 1)

HIKVISION		DS-9632NI-RT
Live View Pla	yback Log	Configuration
Configuration	Basic Information	
Local Configuration	Device Name	Embedded Net DVR
Remote Configuration Device Parameters	Device No.	255
Device Information	Model	DS-9632NI-RT
Time Settings	Serial No.	DS-9632NI-RT1620130118BBRR416048764WCVU
Menu Output	Firmware Version	V3.0.2 build 140126
⊕ ► Camera Settings	Encoding Version	V1.0 build 130909
Network Settings Serial Port Settings	Number of Channels	10
⊕ ► Alarm Settings	Number of HDDs	3
► Exception	Number of Alarm Input	19
 User Management HDD Management Maintenance 	Number of Alarm Output	7
⊕ ► Camera Management	Save	



This will populate the list of the cameras currently connected to the NVR -Online or Offline (Figure 2).

Live View Play	back Log	Configurati	on				
Configuration	IP Camera						
Local Configuration	Add	Modify D	elete Qu	uick Add Custom Pr	otocol		
Remote Configuration Device Parameters	Channel No.	IP Camera Address	Channel No.	Management Port	Status	Protocol	Connect
	D D01	10 9 6 231	1	8000	Online	HIKVISION	Connecting to IPC
Time Callers	D02	10.9.6.229	1	8000	Online	HIKVISION	Connecting to IPC
P Time Settings	D03	10.9.6.225	1	8000	Online	HIKVISION	Connecting to IPG
Advanced	D04	10.9.6.223	1	8000	Offline(User password error.)	HIKVISION	Connecting to IPC
► Menu Output	D05	10.9.6.221	1	8000	Online	HIKVISION	Connecting to IPG
⊕ ► Camera Settings	D06	10.9.6.217	1	8000	Online	HIKVISION	Connecting to IPO
The Network Settings	D07	10.102.103.233	1	8000	Offline(User password error.)	HIKVISION	Connecting to IP
Deda Deda Deda	D08	10.9.6.44	1	8000	Online	HIKVISION	Connecting to IP
	D09	10.9.6.45	1	8000	Online	HIKVISION	Connecting to IP
Alarm Settings	D10	10.9.6.215	1	8000	Offline(Network Abnormal)	HIKVISION	Connecting to IP

Figure 2

-1-

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Now, we are going to manually add the Arecont camera. Press "ADD" (Figure 3). After pressing "ADD", enter the camera's information into the respective fields (Figures 4 and 5).

HIKVISION	and the	DS-9	632NI	-RT			
Live View Play	back Log	Configurati	on				
Configuration	IP Camera						
 Local Configuration Remote Configuration 	Add	Modify	elete Q	uick Add Custom Pr	otocol		
	Channel No.	IP Camera Address	Channel No.	Management Port	Status	Protocol	Connect
Device Information	D01	10.9.6.231	1	8000	Online	HIKVISION	Connecting to IPC
h Time Pattings	D02	10.9.6.229	1	8000	Online	HIKVISION	Connecting to IPC
P Time Settings	D03	10.9.6.225	1	8000	Online	HIKVISION	Connecting to IPC
Advanced	D04	10.9.6.223	1	8000	Offline(User password error.)	HIKVISION	Connecting to IPC
► Menu Output	D05	10.9.6.221	1	8000	Online	HIKVISION	Connecting to IPC
⊕ ► Camera Settings	D06	10.9.6.217	1	8000	Online	HIKVISION	Connecting to IPC
	D07	10.102.103.233	1	8000	Offline(User password error.)	HIKVISION	Connecting to IPC
R & Seriel Bort Settings	D08	10.9.6.44	1	8000	Online	HIKVISION	Connecting to IPC
B P Senai Pont Settings	D09	10.9.6.45	1	8000	Online	HIKVISION	Connecting to IPC
I Alarm Settings	D10	10.9.6.215	1	8000	Offline(Network Abnormal)	HIKVISION	Connecting to IPC

Figure 3

HIKVISION			DS-9632NI-RT
Live View	Playback	Log	Configuration
Configuration Local Configuration Remote Configuration Device Parameters Device Informatio Time Settings Advanced Menu Output Camera Settings Serial Port Settings Exception User Management Maintenance Camera Management IP Camera Channel Zero	IP Camera IP Camera Protocol User Nam Password Confirm OK	Address ent Port e	HIKVISION Back

Figure 4

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HIKVISION		1	DS-9632NI-RT
Live View Pla	yback	Log	Configuration
Configuration Local Configuration Remote Configuration Device Parameters Device Information Time Settings Advanced Menu Output Camera Settings Network Settings Alarm Settings Exception Exception	IP Camera IP Camera Add Protocol Management P User Name Password Confirm OK	ress fort Ba	10.9.6.100 ARECONT V 80 admin •••••
Oser Management HDD Management Maintenance Camera Management P Camera Channel Zero			



After adding the camera to the NVR, The camera will appear in the attached camera list (Figure 6).

HIKVISION		DS-9	632N	I-RT			
Live View Play	/back Log	Configurati	on				
onfiguration	IP Camera						
 Local Configuration Remote Configuration 	Add	Modify	elete C	uick Add Custom Pre	otocol		
Device Parameters	Channel No.	IP Camera Address	Channel No.	Management Port	Status	Protocol	Connect
Device Information	D01	10.9.6.231	1	8000	Online	HIKVISION	Connecting to IPC
> Time Cottings	D02	10.9.6.229	1	8000	Online	HIKVISION	Connecting to IPC
Inne Settings	D03	10.9.6.225	1	8000	Online	HIKVISION	Connecting to IPC
Advanced	D04	10.9.6.223	1	8000	Offline(User password error.)	HIKVISION	Connecting to IPC
Menu Output	D05	10.9.6.221	1	8000	Online	HIKVISION	Connecting to IPC
⊕ ► Camera Settings	D06	10.9.6.217	1	8000	Online	HIKVISION	Connecting to IPC
+ Network Settings	D07	10.102.103.233	1	8000	Offline(User password error.)	HIKVISION	Connecting to IPC
	D08	10.9.6.44	1	8000	Online	HIKVISION	Connecting to IPC
Benai Port Settings	D09	10.9.6.45	1	8000	Online	HIKVISION	Connecting to IPC
Alarm Settings	D10	10 9 6 215	1	8000	Offline(Network Abnormal)	HIK/ISION	Connecting to IPC
Exception	D11	10.9.6.100	1	80	Online	ARECONT	Connecting to IPC
User Management HDD Management Maintenance Camera Management IP Camera Channel Zero							

Figure 6



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We need to repeat these steps for the second, third and fourth streams (Figure 6)

Live View Play	yback Log	Configuration	on				
Configuration	IP Camera						
Local Configuration	Add	Modify De	elete Qu	ick Add Custom Pr	otocol		
 Remote Configuration Device Parameters 	Channel No.	IP Camera Address	Channel No.	Management Port	Status	Protocol	Connect
Device Information	D01	10.9.6.231	1	8000	Online	HIKVISION	Connecting to IPC
> Time Cettines	D02	10.9.6.229	1	8000	Online	HIKVISION	Connecting to IPC
P Time Settings	D03	10.9.6.225	1	8000	Online	HIKVISION	Connecting to IPC
Advanced	D04	10.9.6.223	1	8000	Offline(User password error.)	HIKVISION	Connecting to IPC
Menu Output	D05	10.9.6.221	1	8000	Online	HIKVISION	Connecting to IPC
	D06	10.9.6.217	1	8000	Online	HIKVISION	Connecting to IPC
+ Network Settings	D07	10.102.103.233	1	8000	Offline(User password error.)	HIKVISION	Connecting to IPC
	D08	10.9.6.44	1	8000	Online	HIKVISION	Connecting to IPC
	D09	10.9.6.45	1	8000	Online	HIKVISION	Connecting to IPC
⊕ ► Alarm Settings	D10	10.9.6.215	1	8000	Offline(Network Abnormal)	HIKVISION	Connecting to IPC
Exception	D11	10.9.6.100	1	80	Online	ARECONT	Connecting to IPC
User Management	D12	10.9.6.100	1	80	Online	ARECONT	Connecting to IPC
HDD Management							
the state and a							
Maintenance							
😑 🕨 Camera Management							
► IP Camera							
Channel Zero							

Figure (6)

After adding each stream, we need to manually change the stream number. For this, click on the second stream and press "MODIFY" (Figure 7).

HIKVISION		DS-9	632NI	-RT			
Live View Pla	yback Log	Configurati	on				
Configuration	IP Camera						
Local Configuration Remote Configuration	Add	Modify De	lete	lick Add Custom Pr	otocol		
	Channel No.	IP Camera Address	Channel No.	Management Port	Status	Protocol	Connect
► Device Information	D01	10.9.6.231	1	8000	Online	HIKVISION	Connecting to IPC
h Time Settings	D02	10.9.6.229	1	8000	Online	HIKVISION	Connecting to IPC
P Time Settings	D03	10.9.6.225	1	8000	Online	HIKVISION	Connecting to IPC
Advanced	D04	10.9.6.223	1	8000	Offline(User password error.)	HIKVISION	Connecting to IPC
└── ▶ Menu Output	D05	10.9.6.221	1	8000	Online	HIKVISION	Connecting to IPC
⊕ ► Camera Settings	D06	10.9.6.217	1	8000	Online	HIKVISION	Connecting to IPC
	D07	10.102.103.233	1	8000	Offline(User password error.)	HIKVISION	Connecting to IPC
A Carial Bart Cattings	D08	10.9.6.44	1	8000	Online	HIKVISION	Connecting to IPC
⊕ I Senai Port Settings	D09	10.9.6.45	1	8000	Online	HIKVISION	Connecting to IPC
⊕ ► Alarm Settings	D10	10.9.6.215	1	8000	Offline(Network Abnormal)	HIKVISION	Connecting to IPC
Exception	D11	10.9.6.100	1	80	Online	ARECONT	Connecting to IPC
User Management	D12	10.9.6.100	1	80	Online	ARECONT	Connecting to IPC
HDD Management Maintenance Camera Management IP Camera Cannel Zero							

Figure 7

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When entering the modification screen, we need to change the "CHANNEL NUMBER", which represents the STREAM NUMBER (Figure 8, 9 and 10).

HIKVISION		DS-9632NI-RT	
Live View Play	/back Log	Configuration	
Configuration Local Configuration Remote Configuration Device Parameters Device Information Time Settings Advanced Menu Output Device Advanced Menu Output Device Information Network Settings Device Information Network Settings Device Information Network Settings Device Information Device Information	IP Camera IP Camera Address Protocol Management Port Channel No. User Name Password Confirm OK	10.9.6.100 ARECONT 80 1 admin 	

Figure 8

HIKVISION		DS-9632NI-RT	
Live View Play	back Log	Configuration	
Configuration Local Configuration Configuration Local Configuration Configuration Device Parameters Device Information Time Settings Advanced Advanced Menu Output Device Settings Advanced Adv	IP Camera IP Camera Address Protocol Management Port Channel No. User Name Password Confirm OK	10.9.6.100 ARECONT • 80 2 admin ••••• ••••• •••••	

Figure 9

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HIKVISION		DS-9632NI-RT			
Live View Pla	yback Log	Configuration			
Configuration Local Configuration Remote Configuration Device Parameters Device Information Time Settings Advanced Menu Output Camera Settings Serial Port Settings Exception User Management HDD Management Data Ma	IP Camera IP Camera Address Protocol Management Port Channel No. User Name Password Confirm	10.9.6.100 ARECONT ▼ 80 2 admin Back			

Figure 10

After These steps, the attached camera list will look like this (Figure 11).

HIKVISION		DS-9	632NI	-RT			
Live View P	layback Lo	g Configurati	on				
Configuration	IP Camera						
 Local Configuration Remote Configuration 	Add	Modify	elete	uick Add Custom Pr	otocol		
	Channel No.	IP Camera Address	Channel No.	Management Port	Status	Protocol	Connect
Device Information	D01	10.9.6.231	1	8000	Online	HIKVISION	Connecting to IPC
h Time Cattings	D02	10.9.6.229	1	8000	Online	HIKVISION	Connecting to IPC
Inne Seungs	D03	10.9.6.225	1	8000	Online	HIKVISION	Connecting to IPC
Advanced	D04	10.9.6.223	1	8000	Offline(User password error.)	HIKVISION	Connecting to IPC
Menu Output	D05	10.9.6.221	1	8000	Online	HIKVISION	Connecting to IPC
⊕ ► Camera Settings	D06	10.9.6.217	1	8000	Online	HIKVISION	Connecting to IPC
+ Network Settings	D07	10.102.103.233	1	8000	Offline(User password error.)	HIKVISION	Connecting to IPC
	D08	10.9.6.44	1	8000	Online	HIKVISION	Connecting to IPC
B Senai Pont Settings	D09	10.9.6.45	1	8000	Online	HIKVISION	Connecting to IPC
Alarm Settings	D10	10.9.6.215	1	8000	Offline(Network Abnormal)	HIKVISION	Connecting to IPC
Exception	🗌 🔲 D11	10.9.6.100	1	80	Online	ARECONT	Connecting to IPC
User Management	🗆 D12	10.9.6.100	2	80	Online	ARECONT	Connecting to IPC
 ➡ HDD Management ➡ Maintenance ➡ Camera Management ➡ IP Camera ➡ Channel Zero 							

Figure 11



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Repeat these steps for streams 3 and 4. Sometimes Arecont does not correspond the stream number with the image number (Figure 12).



Figure 12 (This layout is just an example. Results may vary)