

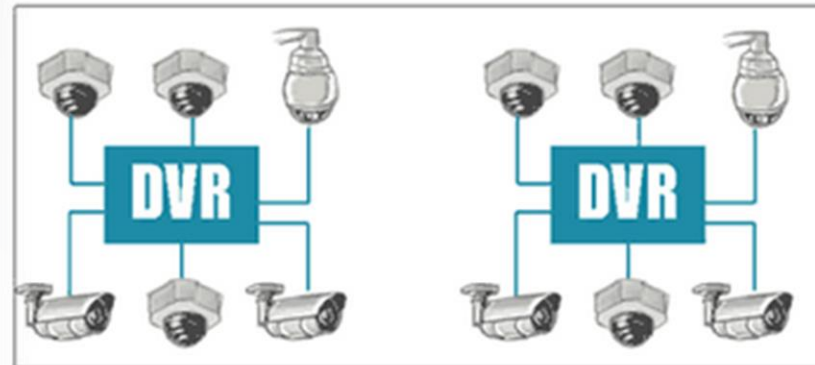
Nowe technologie W systemach dozoru wizyjnego



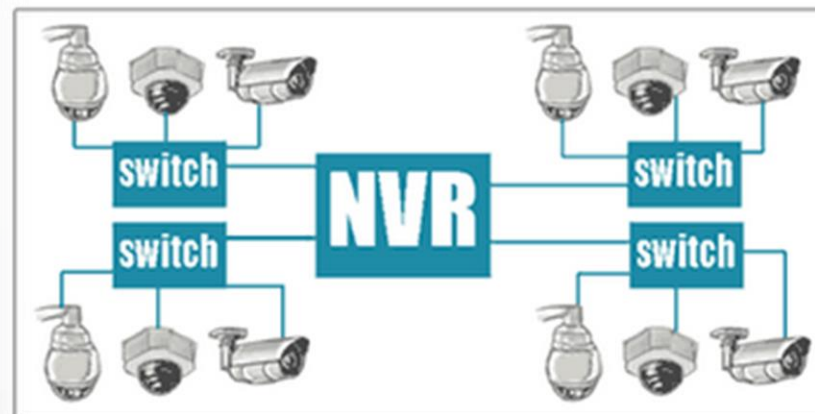


Struktura systemów dozoru wizyjnego

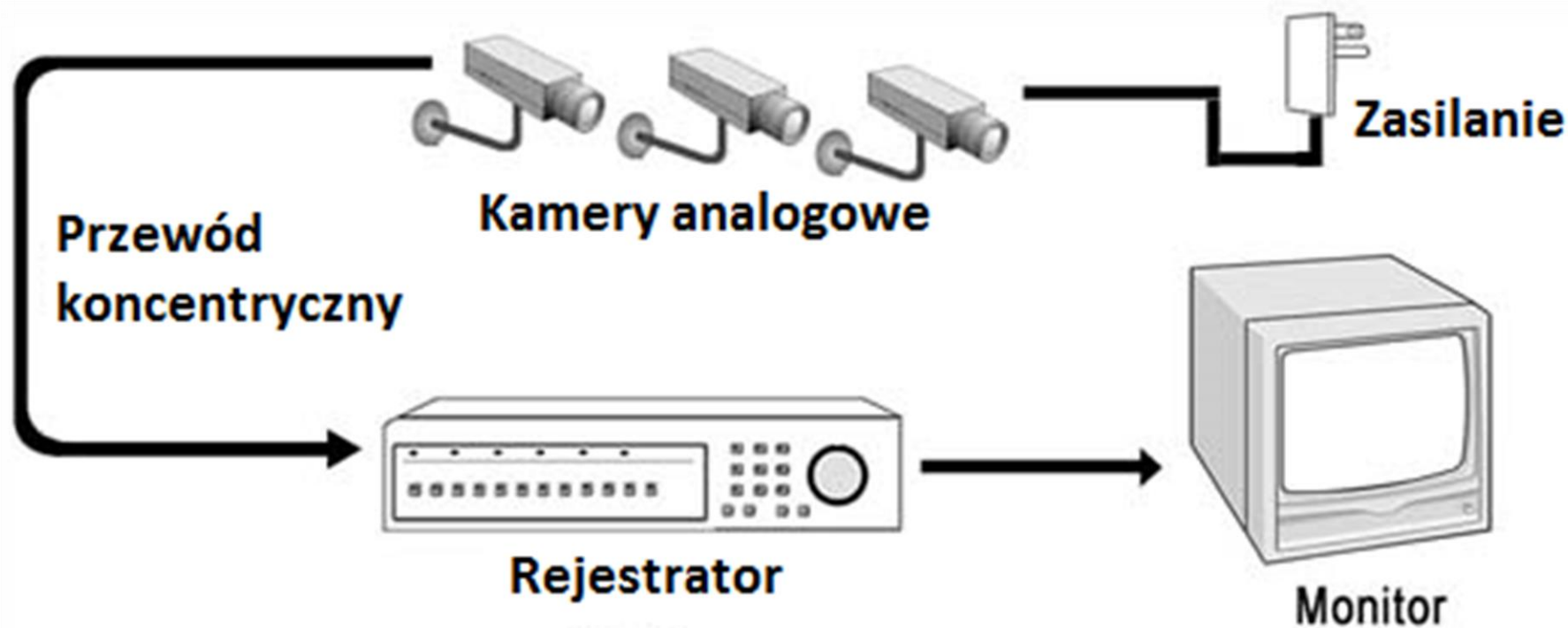
Tradycyjny model analogowego systemu dozoru wizyjnego



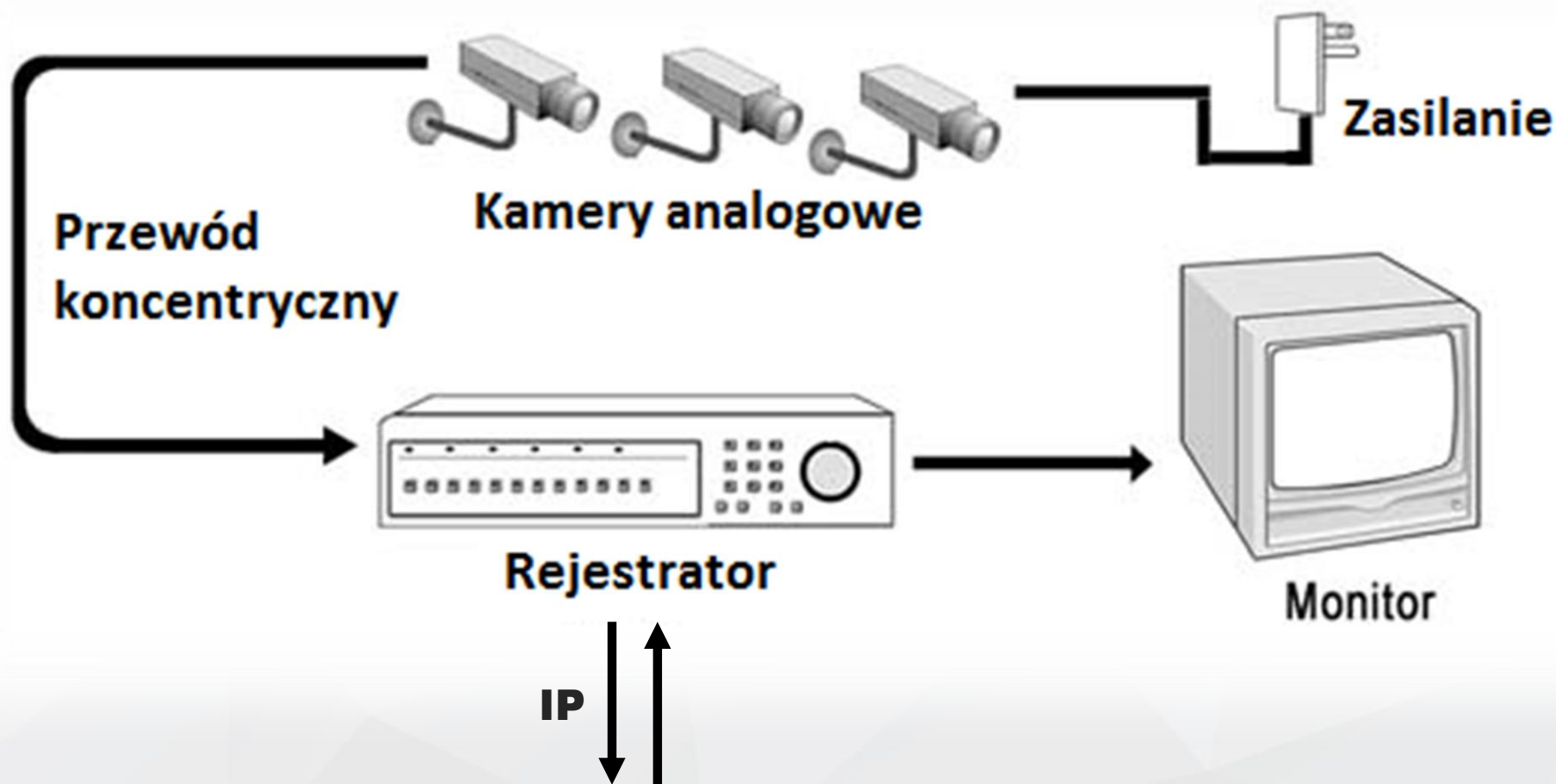
Model systemu dozoru wizyjnego w technologii IP



System analogowy



System analogowy



System analogowy

≠

Wysoka rozdzielczość

S



3MPix - 2048x1536

2MPix - 1600x1200

1,3MPix - 1280x1024

4CIF - 704x576

VGA - 640x480

ua
OGY

2016-07-13 12:20:04

ahua
TECHNOLOGY





System analogowy

≠

Wysoka rozdzielczość

S



Video
Audio
PTZ
Zasilanie

4 in 1

JAKOŚĆ

FullHD
2K
4K

ZASIĘG

Wygodna
modernizacja

KAMERY GUARDIAN

Nowy wymiar kamer CCTV



STARLIGHT
4/3"



SZEROKA DYNAMIKA
WDR 150dB



OBIEKTYW
M43



SYGNAŁ
HDMI
CVI



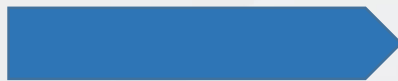




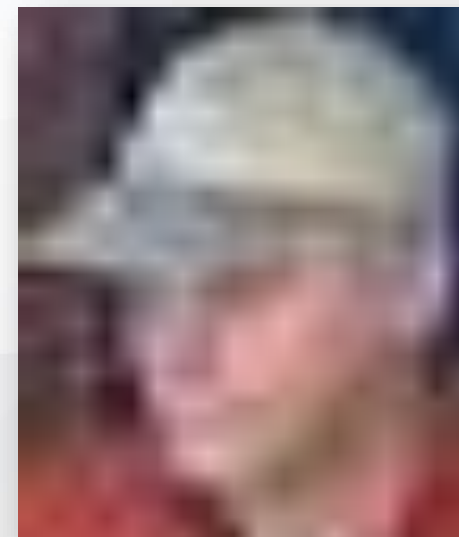


Identyfikacja obiektów

Identyfikacja ...



...czy interpretacja





66
pixeli/metr



131
pixeli/metr



262
pixele/metr



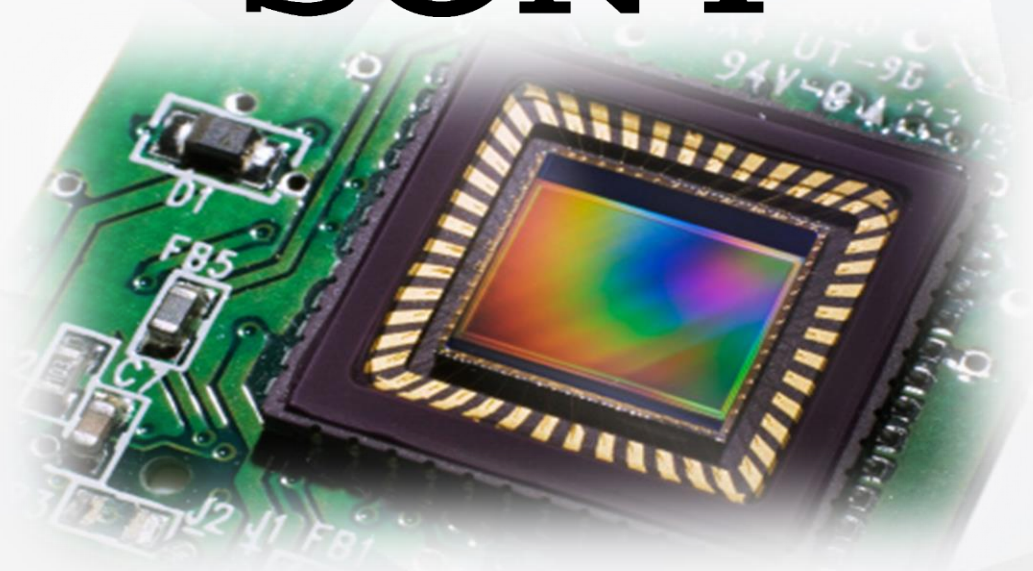
11-09-2016 05:35:41 PM Wed

11-09-2016 05:35:36 PM



Dahua Starlight

Przetworniki **SONY**



S









1/1.8" CMOS
STALIGHT
CCTVnerd 8281

CCTVnerd 2016/09/10 20:17:59



BRAND X
1/2.8" CMOS
1920x1080

2016-09-10 20:12:33



CCTVnerd 8281

DAHUA STARLIGHT
1/1.8" CMOS
1920x1080

2016-10-10 07:51:14 Mon

dhua
TECHNOLOGY



IP PTZ Dome

2016-11-24 16:54:36



DH-SD6AE230F-HNI

A blue square containing a white capital letter "P".

P

Kamery panoramiczne

KAMERY PANORAMICZNE

Szeroka scena – bez efektu fisheye



SONY STARLIGHT

1/2.8" LOW LUX
6 generacja



SZEROKA DYNAMIKA

Sprzętowy WDR 120dB



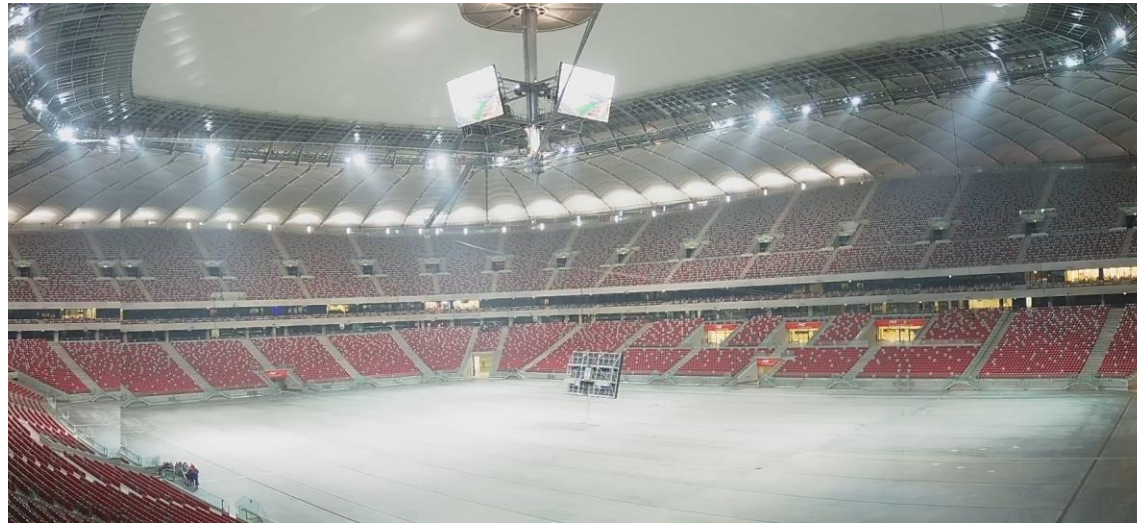
ROZDZILECZOŚĆ

3x2MPx
4x2MPx



ANALIZA OBRAZU

Wykrycie intruza
Detekcja Twarzy
SMART TRACKING

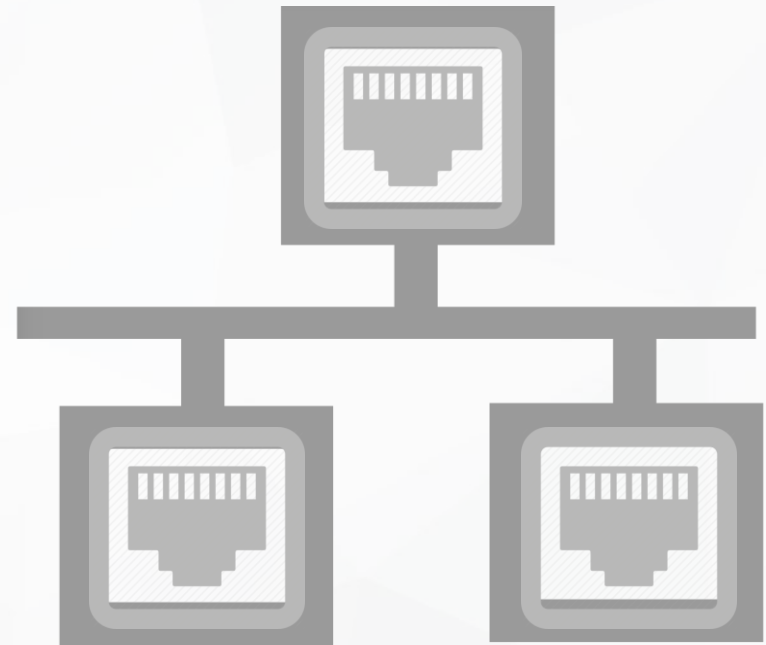




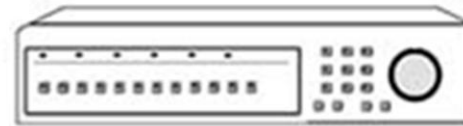
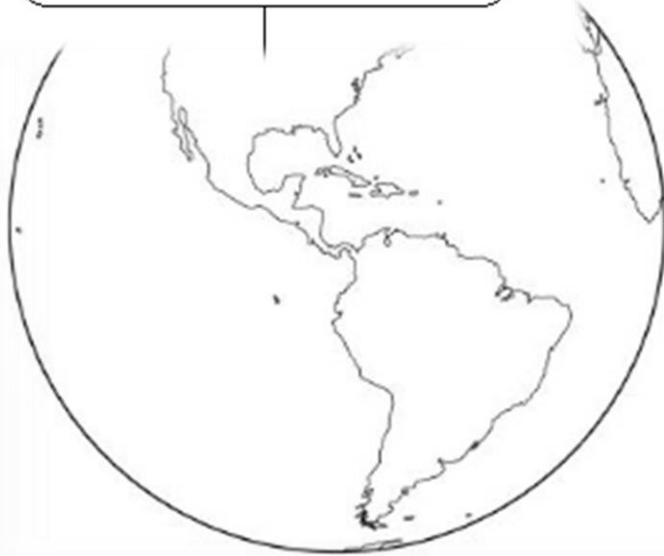
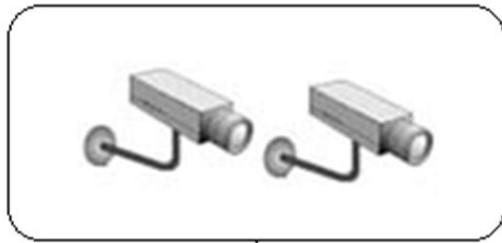


IP

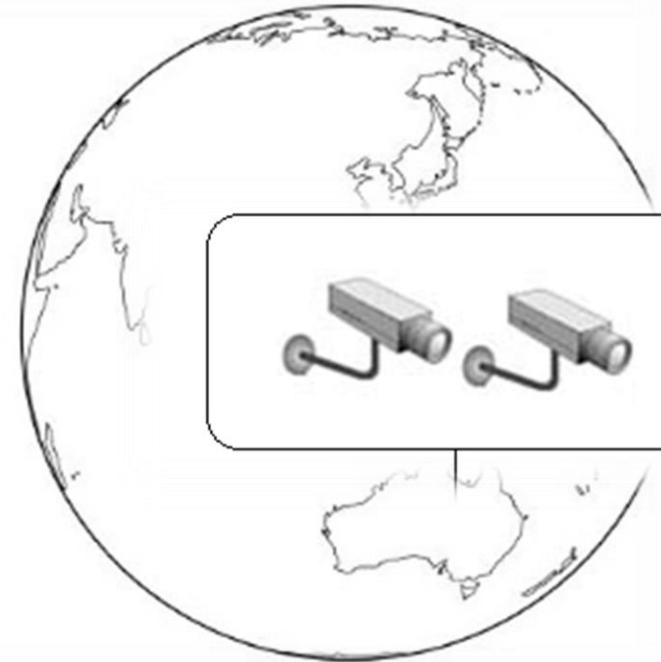
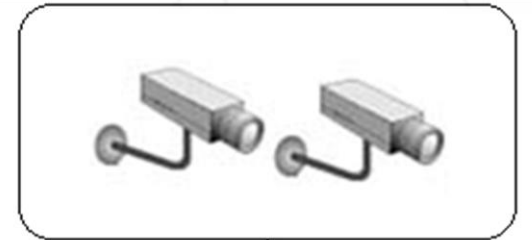
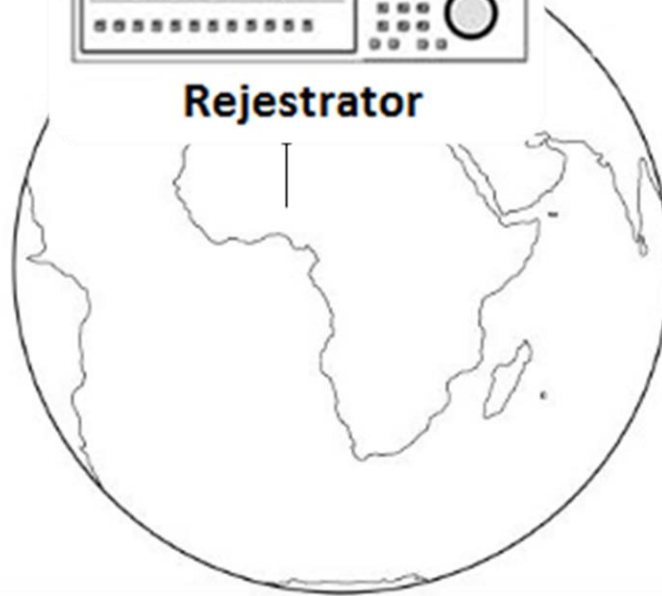
System IP



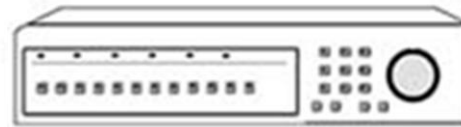
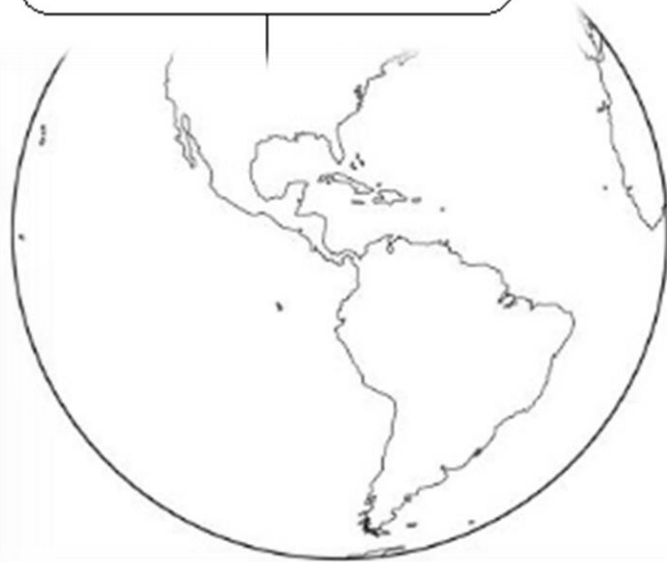
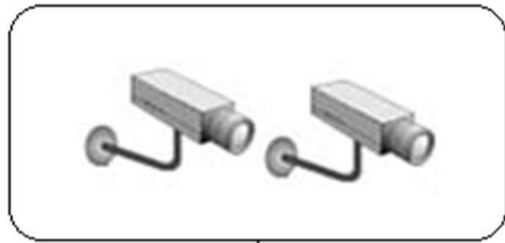
Systemy rozproszone



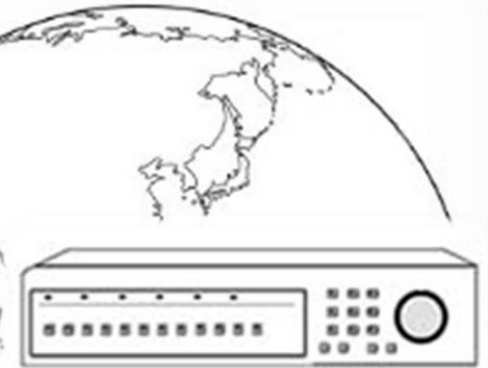
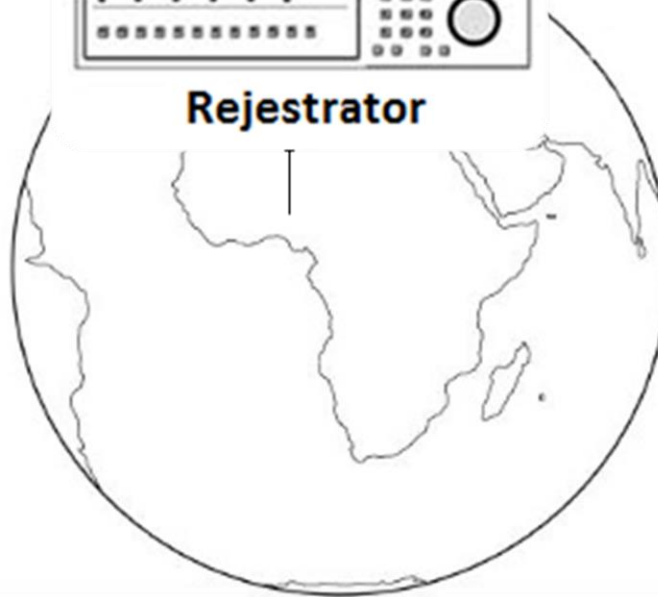
Rejestrator



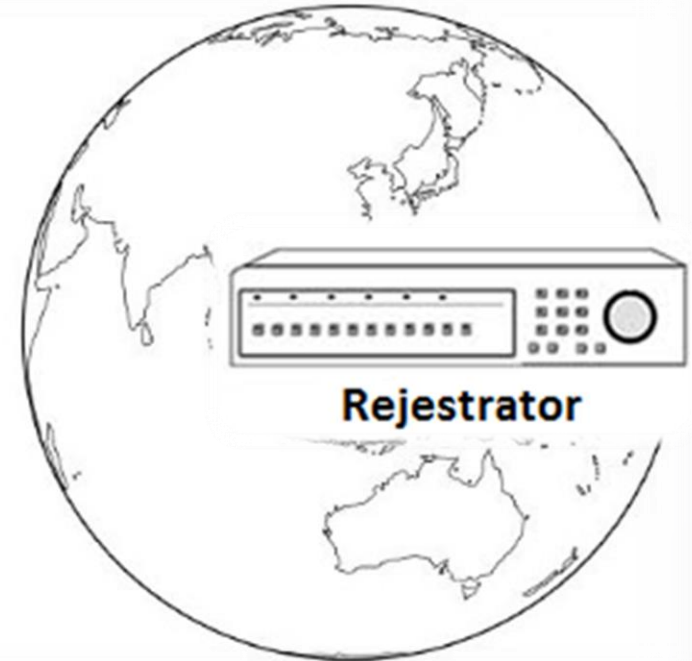
Systemy redundantne



Rejestrator



Rejestrator





Jeden system
Wiele technologii



KAMERY
IP, CVI, Termowizja



REJESTRATORY
IP oraz analog



SYSTEMY ANPR
Kontrola ruchu



TRANSMISJA
Switche



DOMOFONY

Domofony, zamki,
kontrola dostępu



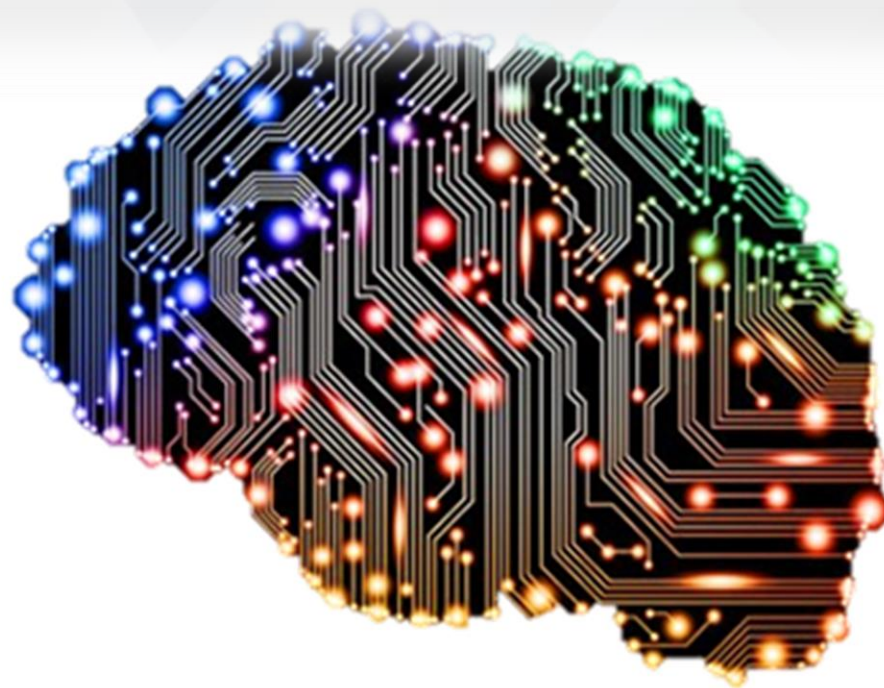
MONITORY

Ściany wizyjne



MACIERZE

eSATA i iSCSI



Analiza obrazu i Deep Learning

Tripwire

Intrusion

Abandoned/Missing

Scene Changing



Draw Rule

Clear

Target Filter

☒ Max Size 7991 * 7991

☐ Min Size 200 * 200

Draw Target

Clear

☒ Enable

Rule List

1 line1

Parameter Setup

Working Period

Setup

Direction

A<->B

☐ Record

Record Delay

10

Second (10~300)

☐ Relay-out

Alarm Delay

10

Second (10~300)

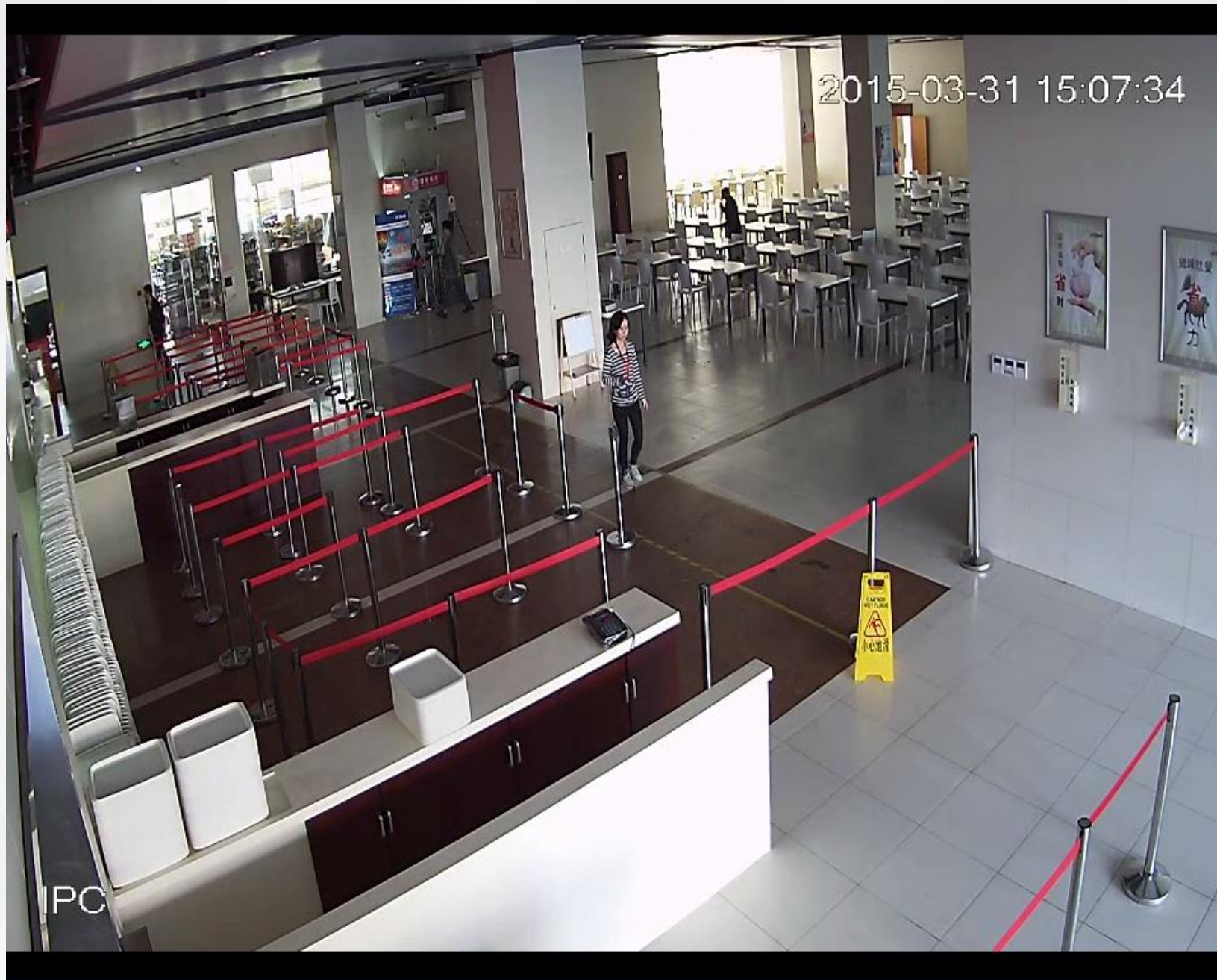
☐ Send Email

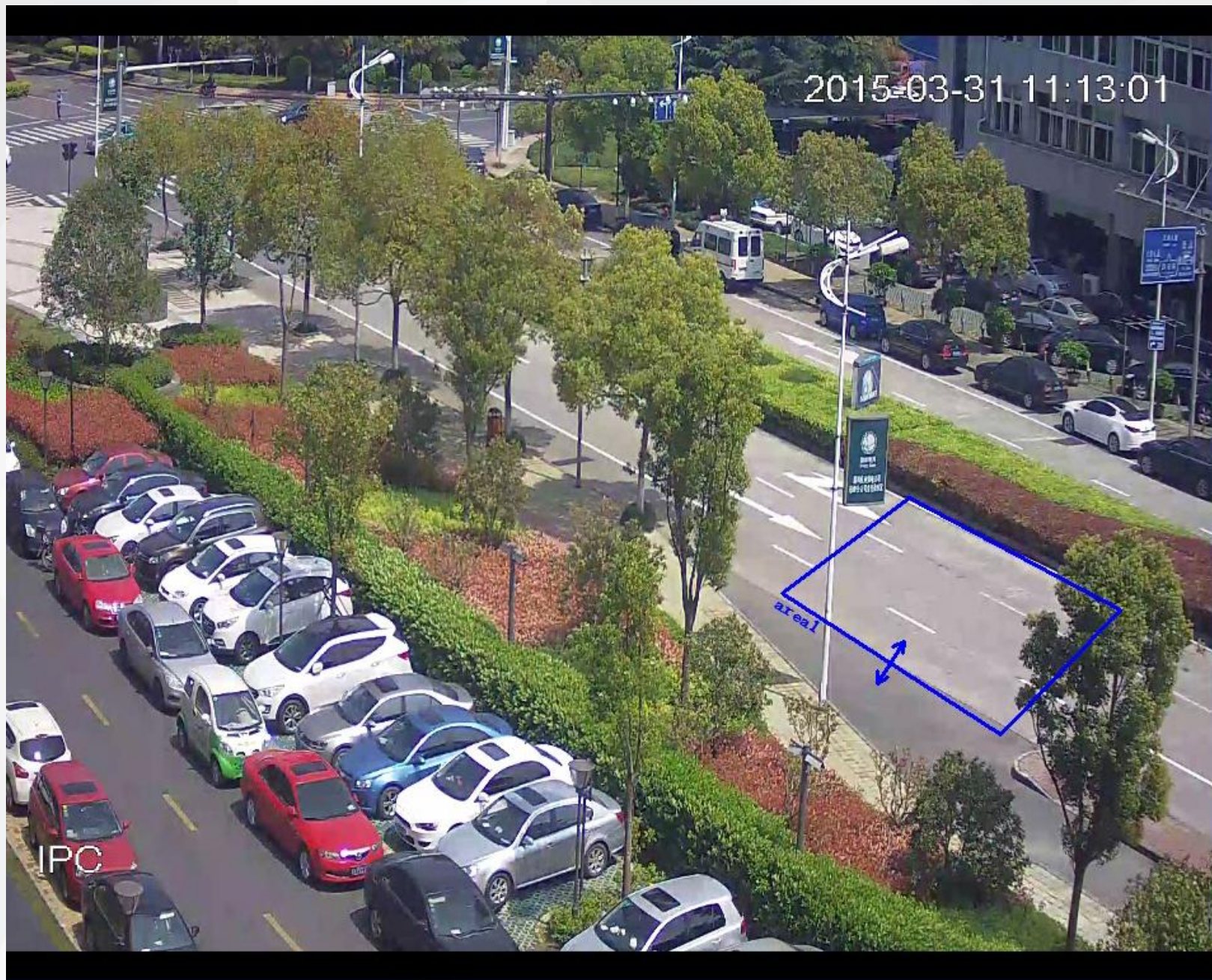
☒ Snapshot

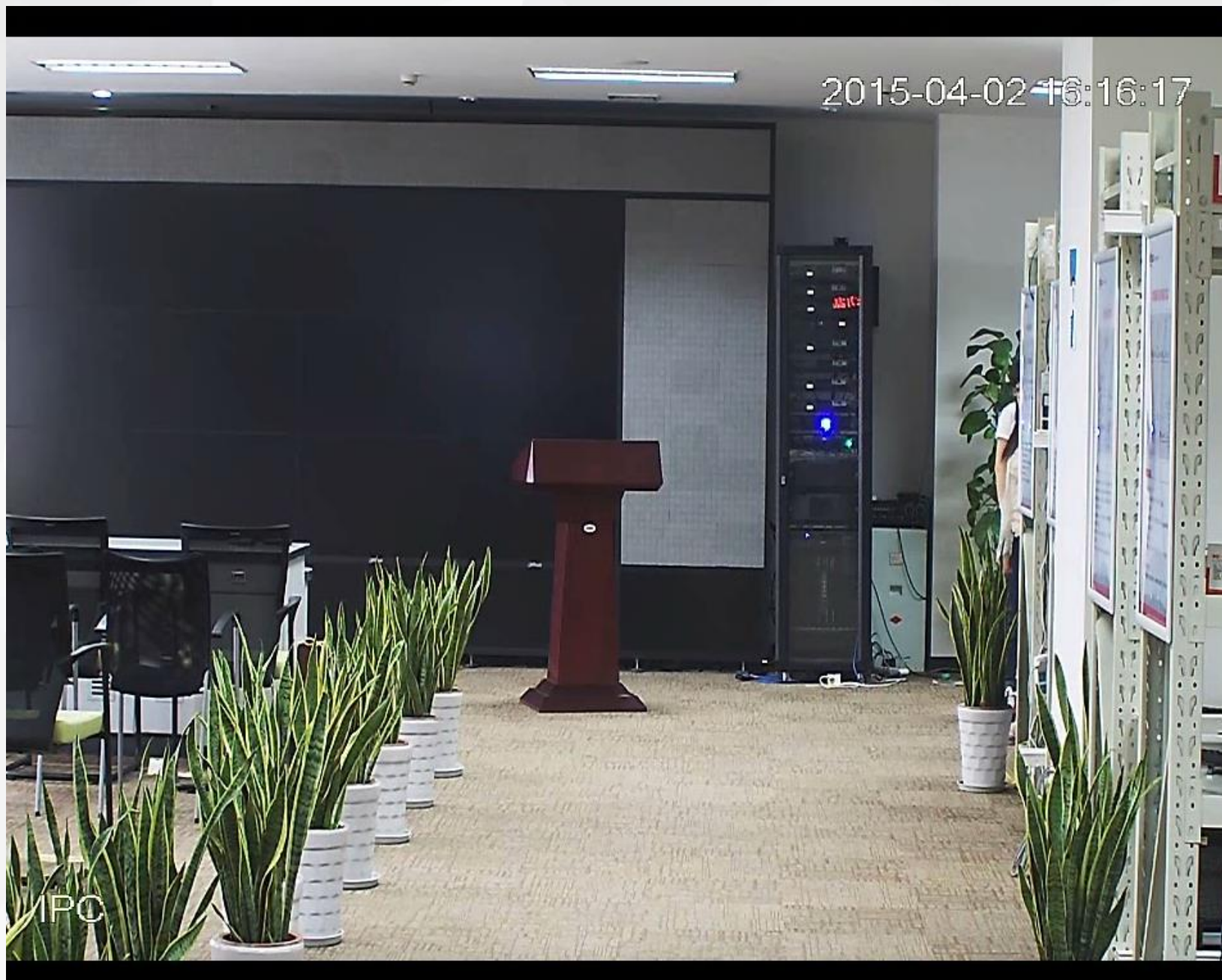
Default

Refresh

Save



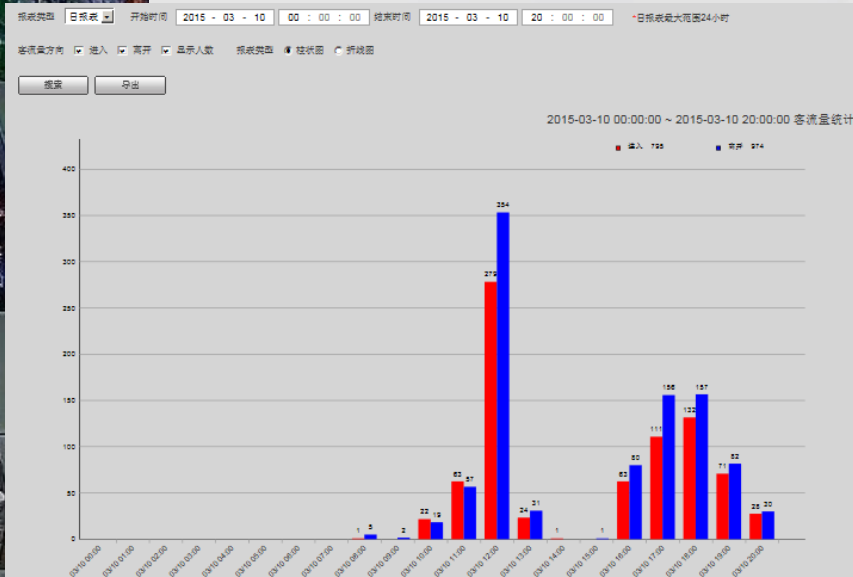




进入:0
离开:0

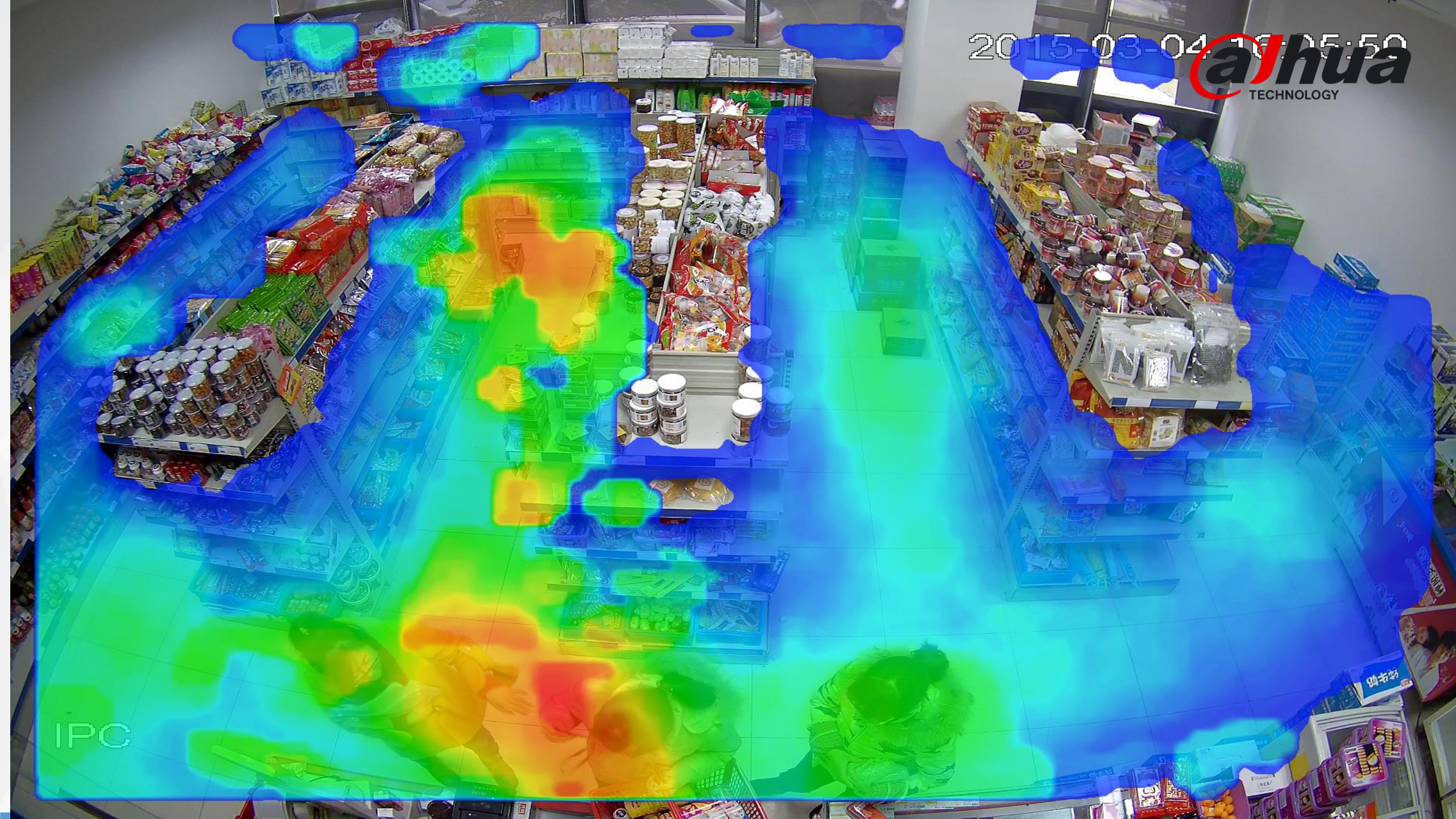
2015-03-05 13:43:38

dhua
TECHNOLOGY



IPC

IPC



Main Stream Sub Stream Protocol TCP Fluency Default

☒ Receive Pictures Record Type day



Obtain Plate Info

WGRUR69



Index	Event Type	Capture Time	Plate	Plate Color	Country	Plate Size
154	ANPR	2016-11-20 11:47:45	WGRUR69	Blue	POL	128x38
153	ANPR	2016-11-20 11:47:29	WGRRT36	Blue	POL	120x38
152	ANPR	2016-11-20 11:47:21	WGRNJ74	Blue	POL	263x52
151	ANPR	2016-11-20 11:46:56	WGRNV32	Blue	POL	173x40
150	ANPR	2016-11-20 11:46:51	WWL87098	Blue	POL	139x38



R

Rejestratory
i

Serwery przetwarzania danych



SERIA 600

Serwery do wymagających projektów



DYSKI

16 x 6TB
RAID



KOMPRESJA

H.264+
H.265



DEKODOWANIE

16ch@1080p @ H.265
60fps



KAMERY

128x IP
384Mbps/384Mbps

SERIA 600

Serwery do wymagających projektów



WYŚWIETLANIE

Do 6x HDMI



REDUNDANCJA

Zasilacze, N+M



RAID

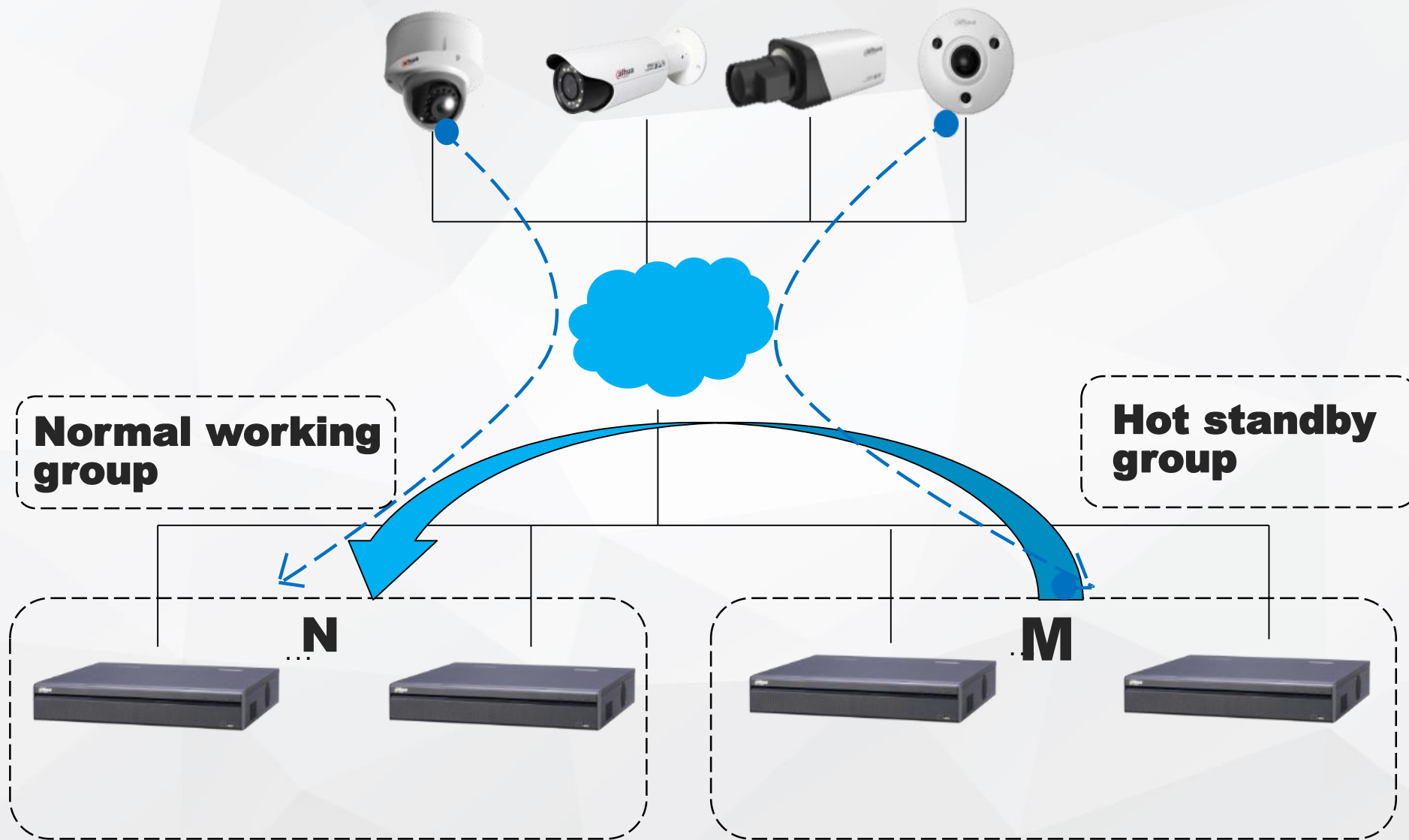
0,1,5,6,10, 50, 60



SIEĆ

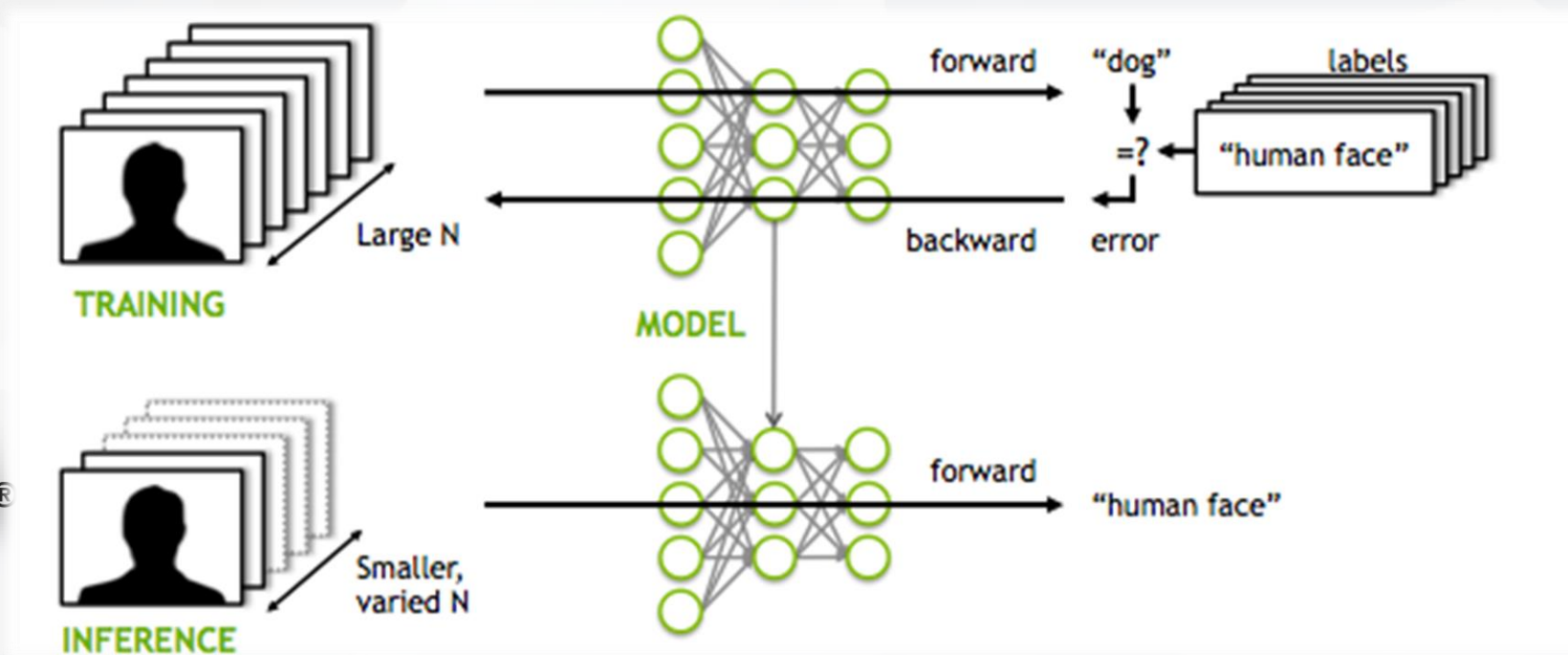
2 lub 4 porty gigabit







nvidia®





Vehicle Detail

115_Channel 4 2013-11-21 07:17:39



桂BXH066

Mazda Mazda6 2007



115_Channel 4

2013-11-21 07:17:56



115_Channel 4

2013-11-21 07:17:55



桂BQ9767

Honda Civic 2009



A large blue square containing a white capital letter "B".

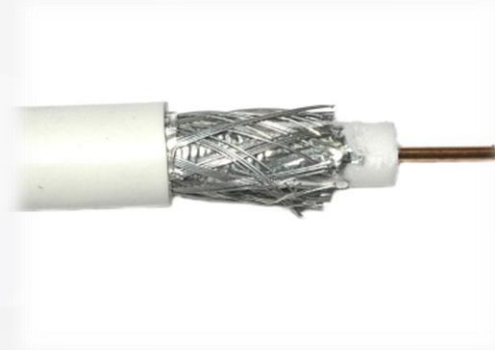
B

Bezpieczeństwo
i niezawodność

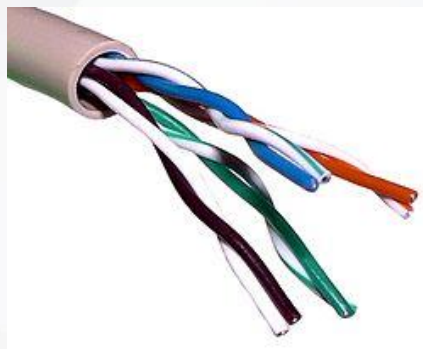




S



**PRZEWÓD
KONCENTRYCZNY**



SKRĘTKA



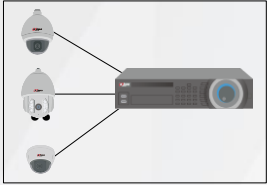
ŚWIATŁOWÓD



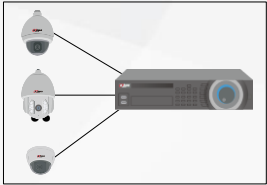
Z Zarządzanie i ściany wizyjne



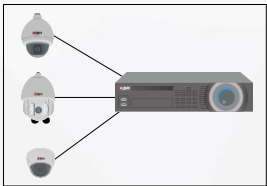
960H Camera & DVR



960H Camera & DVR

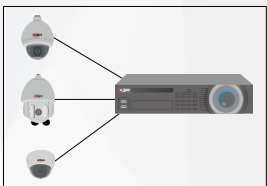


960H Camera & DVR



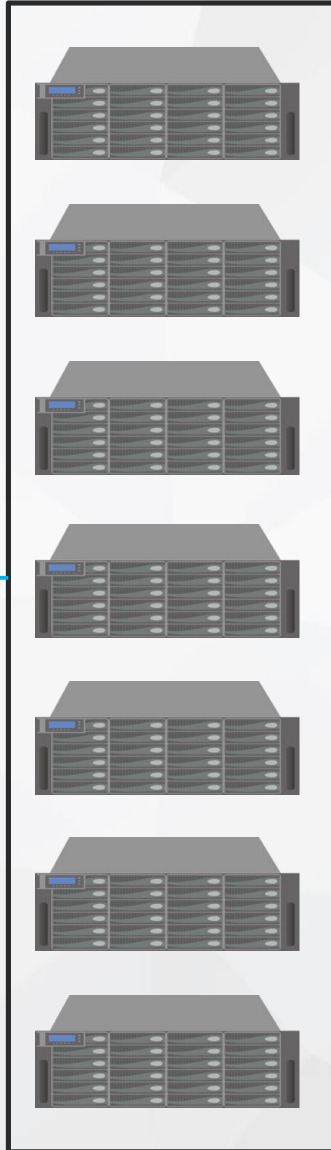
...

960H Camera & DVR



Network

EVS5000
Central Storage Backup



Network

M70-4U
Network Video
Matrix



DSS7016
Video Management Server



DVI Video Cable

DHL460UTS-E
2*5 Video Wall



DSS Client



DSS Client



DSS Client



DSS Client





Dziękuję za uwagę 😊