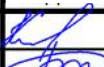
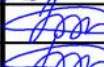
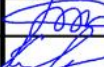



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8.	14
8.1.	DGS-1210-10P.....	14
8.2. SFP	SFP-1SM-10SC.....	15
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9.1.	22
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12.	26
13.	28

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.2.2-3-2014 «

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.2.5-78.11.01-2003 «

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.2.2-45-1-2004 «

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45-010-2002 «

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4030-2001 «

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- 9 . 16.
- 19
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5.

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Samsung, D-Link, APC 。
12 SNO-
L6013RP
6
SNB-7000P,
1 SNP-6200HP.
PoE (Power over Ethernet),
：
- 3 ；
- 6 ()。

: ODF-

()

APC,

30

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24, 16, 12 8

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6.

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RAID

(redundant array of independent/inexpensive disks).

H.264,

2-

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()



336

Trassir,

7.

TRASSIR

TRASSIR -

TRASSIR

H.264,

3-7

TRASSIR

TRASSIR

TRASSIR

DSSL.

TRASSIR

x-86

«MultiStor» -

« ». TRASSIR -

Microsoft « »,

«TrasIndex» -

SIMT (Simple Intelligent Motion Trassir) -

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, DSSL

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Twin Power - , DSSL

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Twin Power -

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A tive Dome -

. Active Dome -

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DSSL

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Active Dome

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TRASSIR

TRASSIR

TRASSIR

TRASSIR

TRASSIR

Windows

. TRASSIR

CD, USB-

Fire Wire.

TRASSIR

TRASSIR

TRASSIR

TRASSIR

TRASSIR

SMS,

TRASSIR

Pelco-P

Pelco-D.

(presets)

TRASSIR.

Active Dome,

Informer

, TRASSIR

SMS

TRASSIR

xScreen,

TRASSIR

VGA

TRASSIR

TRASSIR

VGA

4-

TRASSIR MDI.

8.

8.1.

DGS-1210-10P

D-Link DGS-1210

Web

Smart

D-Link Green.

Gigabit,

Power

over Ethernet1, QoS,

Power over Ethernet1

VoIP

802.3af 802.3at,

30

SNMP,

Web-

SmartConsole Compact Command Lines.

ACL

D-Link

Safeguard Engine.

DGS-1210

Auto Voice VLAN,

« » . DGS-1210-10P

13-

, DGS-1210-16 DGS-1210-24 -

19-

DGS-1210-48

					-01 /16-	
						14



.8.1 DGS-1210-10P

D-Link
2

Fast Ethernet (10/100)
Gigabit Ethernet (10/100/1000) 8 1000Base-T
+ 2 - 1000BASE-T/SFP
8 PoE
Web-

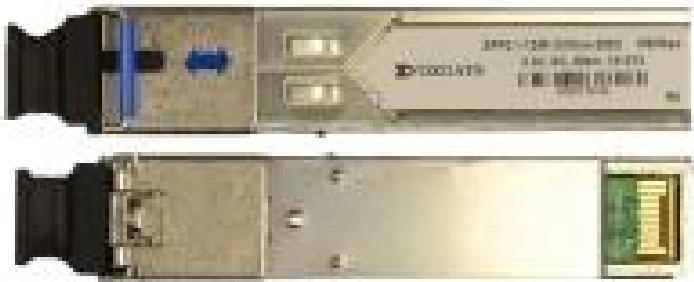
SNMP, Telnet, LLDP, SmartConsole
(1U)

100-240 , 50-60
330x180x44
1,84
802.1Q,
802.1p, IGMP Snooping, STP, LBD, LACP, ACL, 802.1x, Static MAC
30
0,5
-40 +85 C

8.2. SFP SFP-1SM-10SC

WDM

1SM-1310nm-10SC 1310
1550 - 1310TX / 1550RX. SFP 1SM-
1550nm-10SC - 1550 1310
- 1550TX / 1310RX.
SFP 1SM-1310nm-10SC SFP 1SM-1550nm-10SC
9/125
10
« »
SC.



.8.2 SFP SFP-1SM-10SC

1310
1.25 /
(-20dB) 2.8
10
/ 1310TX/1550RX
3.3
SC

8.3. APC BX1100CI-RS

BX1100CI-RS

, BX1100CI-RS



.8.3

APC BX1100CI-RS

1100
660
150-280
230
2,4
2/2 ()
RJ11
8
USB

8.4.

SUPERMICRO.

19

:

- Intel Xeon E5-2407v2 2.40 GHz.....1
 - 8GB RDIMMs 1600MHz.....2
 - 4TB 7.2K RPM SATA 3Gbps 3.5in Hot-plug Hard.....4
 - Dell Perc 310.....1
 - PE R320 1U.....2
- 12 Axis P1354-E
- (3 /), 1 Samsung SNP-6200HP (5 /
-) 14 .

$$\text{Объем архива} = \frac{\text{Скорость потока с P1354E} \left(\frac{\text{Мбит}}{\text{сек}} \right) \cdot \text{секунд сутках} \cdot \text{глубина архива (суток)} \cdot \text{кол. камер}}{8000000} + \frac{\text{Скорость потока с SNP6200HP} \left(\frac{\text{Мбит}}{\text{сек}} \right) \cdot \text{секунд сутках} \cdot \text{глубина архива (суток)} \cdot \text{кол. камер}}{8000000}$$

$$\text{Объем архива} = \frac{3 \cdot 86400 \cdot 14 \cdot 12}{8000000} + \frac{5 \cdot 86400 \cdot 14 \cdot 1}{8000000} = \frac{43545600}{8000000} + \frac{6048000}{8000000} = 5,4432 + 0,756 \approx 6,2 \text{ TB}$$

8000000 -

RAID10,

4 4 .

:

: Axis P13541 1,2 MP- 12 ;

: 1280 x 960 @ 12 fps, ;

: 5%

(12:00) 2300 /

(200 /)

					-01 /16-		18

(83,3 /)

:
Samsung QNO-6020RP 2 MP - 11 .
Samsung SNP-L6233HP 2 MP - 1 .
13 2 MP. 2,5 /

:
 $2,5 * 86400 * 13/8000 = 432$,
520 / .
7450 / 520 =
14 8 , .

5%,

- :
- SERVER MB C602 S2011 ATX/MBD-X9DRL-IF-O SUPERMICRO.....1
 - CPUXDP 2600/15M S2011 BX80635E52630V2.....2
 - SERVER CHASSIS ACC YEATSINK/PASSIVE SNK-P0048P SUPERMICRO.....2
 - ' DDR3 8GB/1600 (PC120800) ECC REG.....8
 - Adaptec SAS RAID ASR-5805 PCI-E 256MB, Single.....1
 - Adaptec Battery Module ABM-800 for for 3xxx/5xxx Series.....1
 - Seagate Cheetah 15K.7 600Gb, 15000rpm.....2
 - HDD SAS 4TB 7200RPM 6GB/S/64MB A7K4000 0B26885 HGST.....6

- SERVER CHASSIS 2U 600W EATX/CSE-825TQ 600LPB SUPERMICRO.....1
 - Cable Mini SAS SFF-8087 (mSAS) 4 SATA (ACK-I-mSASx4-4SATAx1 0,8m R).....2
- 10 Axis

P1354-E (3 /) 14 :

$$\text{Объем архива} = \frac{\text{Скорость потока с P1354E} \left(\frac{\text{Мбит}}{\text{сек}} \right) \cdot \text{секунд сутках} \cdot \text{глубина архива (суток)} \cdot \text{кол. камер}}{8000000}$$

$$\text{Объем архива} = \frac{3 \cdot 86400 \cdot 14 \cdot 10}{8000000} = \frac{36288000}{8000000} \approx 4,5 \text{ TB}$$

8000000 –

RAID6, 6
4 .

: Axis P1354 1,2 MP- 10 ;

: 1280 x 960 @ 12 fps, ;

: 17%

(12:00) 3000 /

(260 /)

(14900): 80

(185,7 /)

:

SNB-6004P 2 MP – 6 .

5 / . ,

,

:

$$6,66 \cdot 86400 \cdot 6/8000 = 575 ,$$

1052 / .

,

$$14900 / 1340 =$$

14 3,5 , .

					-01 /16-	
						20

1280 * 960

$$\frac{16 \times 12 \text{ fps} = 147,5}{20\%}$$

6 2 MP

$$: 1980 \times 1020 \times 3 \times 12 = 388$$

$$388 + 147,5,$$

$$550 /$$

$$: 550/150 \times 17\% = 62,5\%.$$

8.5. IP- Samsung QNO-6020RP

IP- Samsung QNO-6020RP

IP66,

-30 ° C.

20 ,

(DWDR)



8.5 IP- Samsung QNO-6020RP

()

1/2.9" 2.19M CMOS

f=3.6 ()

86.5° / : 47.8° / D : 101.2°

/ -

H.265, H.264 / MJPEG

1920 x 1080

. 30 ./

10 M / 100 M Ethernet

12 VDC ± 10%, PoE (802.3af), . 5,9

8.6. IP-

Samsung SNB-6004P

SHB-4200H



. 8.6. IP-

Samsung SNB-6004P

SHB-4200H

.....

.....2MP

/

....., WDR, , ,
/
..... 1/2"8
..... 1920x1080
..... 50 / 2 MP
,
..... M13VD550IR
..... / .
..... 1
..... 1
.....1 F1.2
..... 2-
..... Smart Compression
(),
.....12 . , 24 . , PoE (IEEE802.3af)
..... -10° ... +50°
SHB-4200H

8.7. IP- Samsung SNP-L6233HP



8.7 IP- Samsung SNP-L6233HP

.....
.....
.....2 /1080p
/

PTZ.....SpeedDome

....., ,

/ , WDR

.....1/3 "

.....1920x1080

,

.....

.....4.45 ~ 89

..... /

.....190° (-5° ~ 185°)

.....2

.....4

..... : 1.5 , / : 0.1

.....

.....IP66

.....24V AC, PoE + (IEEE 802.3at)

.....-10 ° C ~ + 55 ° C

8.8.

Ethernet

PNET1GB



.8.8

Ethernet

PNET1GB

:

APC

ProtectNet 100BT / 10BT / TR

PNET1GB

RJ45 10/100/1000 Base-T Ethernet

6.5 Normal, 0.25

100 Base-T4, TX, 100 VG, 100 Base-T, Token Ring

(4 16 / UTP)

104 x 28 x 47

0,05

9.

9.1.

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3

220 , 50 .
4 16, 3x2,5 3x1,5

POE, IP
(4 2 0,5).

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4 ()

" (, 7, . 1.7),
3.05.06.85 " , 12.1.30-81

9.2.

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$$P = P + P + P \quad (1);$$

:
 P -
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 P -
 ,
 ~ 220 .
 P -
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 P :

$$P = P + PIPS + PIPL \quad (2);$$

,
 P -
 ,
 ~ 220 .
 PIPS -
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 .
 PIPL -
 .
 . 1
 ~ 220 :

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 9.2

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1	:		6	10640
	8 PoE + 2 DGS-1210-10P	450	6	
		880	5	
2	:		3	1350
	8 PoE + 2 DGS-1210-10P	450	3	
	:			11990

10.

111-4-80

12.2.013-87.

11.

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13.1

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13.2

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