

**TNTv**  
**Digital Signage**  
Руководство  
Пользователя

2013

IP Удлинитель VGA - TNT MMS-500V

Передачик, модель: TNT MMS-500V-T

**Версия ПО**

**3.03**

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!( \_\_\_\_\_ )

), , ( )  
).

- , / /SMM TNT.  
- , / /SMM  
TNT

- / /SMM TNT,  
- , ,  
.

/ /SMM TNT ,

/ /SMM TNT.

# 1:

## 1.1

Digital Signage —

IP

VGA (HD Over IP) —

VGA  
( . . . ) (LAN),  
Gigabit Ethernet (1000Base-T) TCP/IP.  
TNT MMS-500V-T TNT MMS-500V-R  
( ). VGA,  
USB, USB Audio ( ), RS232  
Gigabit Ethernet  
( 100 . ),  
«IGMP»  
—  
VGA  
—  
VGA ( . . . )

# 1.2

TNT MMS-500V-T: – 1 .  
:1 .  
:4 .  
:1 .  
–  
( .)  
( CD, )

# 1.3

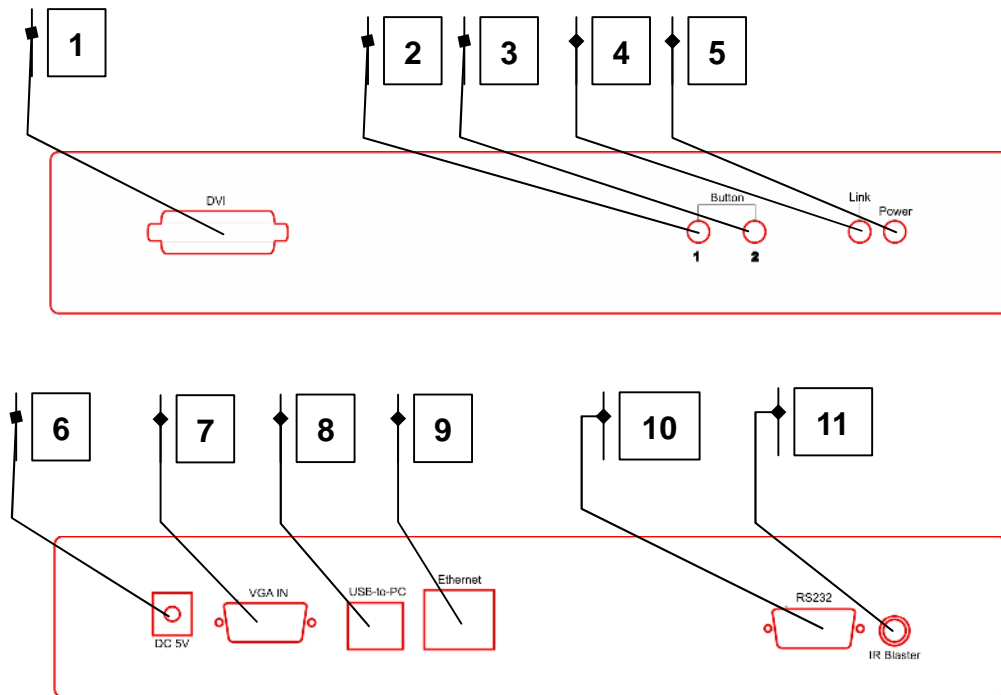
• :  
• VGA  
•  
• :  
• , , , , ,  
• , , , , ,  
• – .  
• , , . .  
• ,  
• .

WAN, LAN,  
Internet.

: (TNT MMS-500V-T) (TNT MMS-500V-R)  
, , TNTv Digital Signage,  
SMM TNT SMMC-3000/6000/6000A.  
(SMMC – Smart Matrix Multimedia Commutator).

, ! ,  
60 .

# 1.4



- 1.
2.                    «1».
3.                    «2».
4.                                   (        )
5.                                   (        )
- 6.
7.                    VGA
8.                    USB
9.                                   Gigabit Ethernet
10.                   DB9                                   RS232
- 11.

# 1.5

- — «2».
- «2», ( 20-30 ). «2».
- « EDID » EDID ( . ).
- —
- «2».
- «Graphic Mode» «Video Mode» — «1».
- 4- (« »).
- —
- —
- —

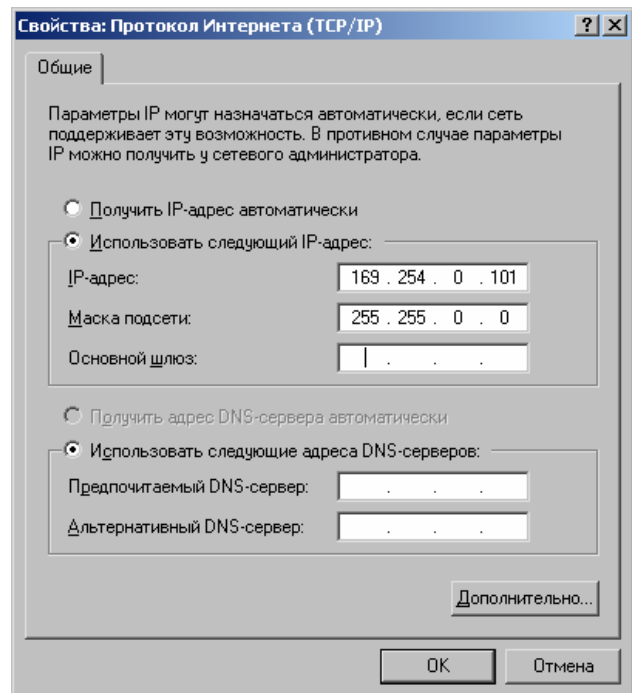
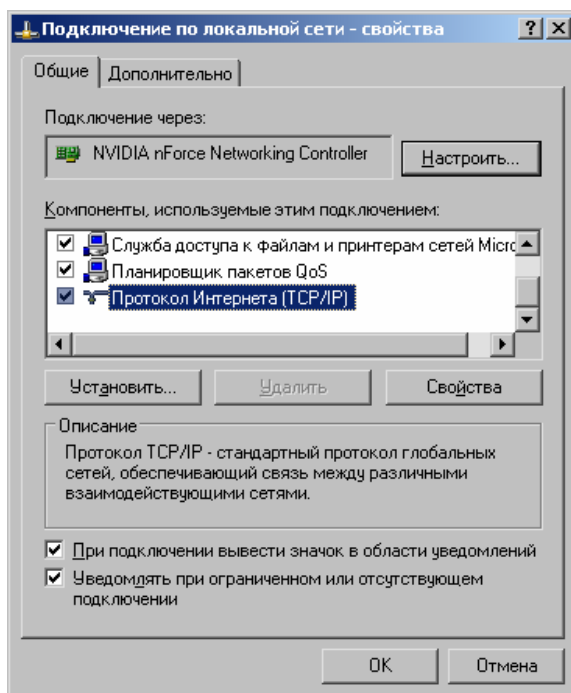
## 2:

### 2.1

- 1: LAN
- 2: LAN
- «Power»
- 3.

### 2.2

- 1:



- 2: IP
- IP
- 169.254.X.X.

IP

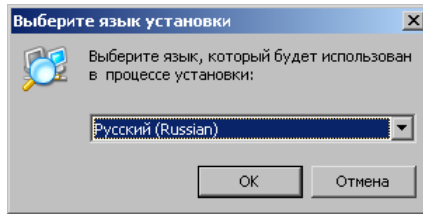
, CD ,

«ipscan.exe».

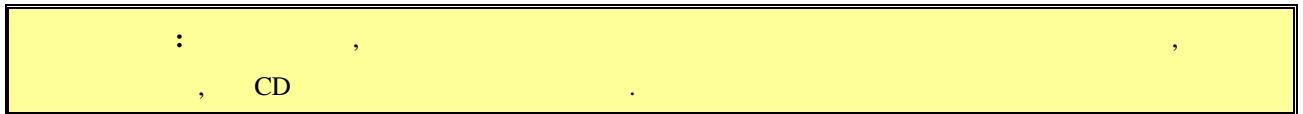
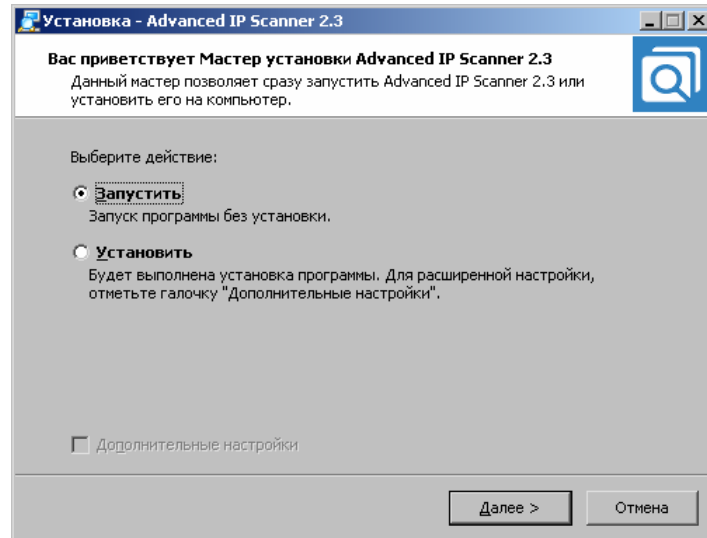
«OK».





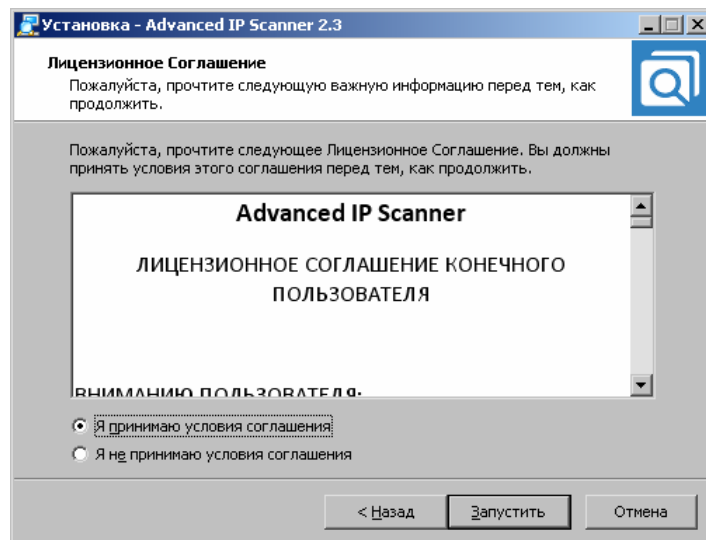


<< >> << >>



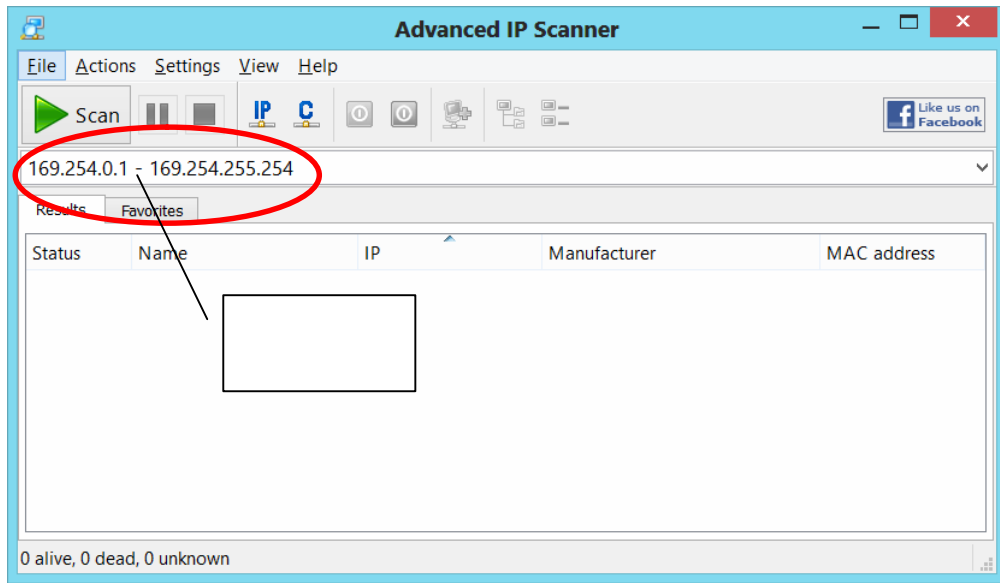
»,  
(« >>)

<< >>.



«Advanced IP Scanner».

«Advanced IP Scanner»



«Scan»

IP

( 169.254.0.1  
169.254.255.254).

«Scan».

169.254.0.101

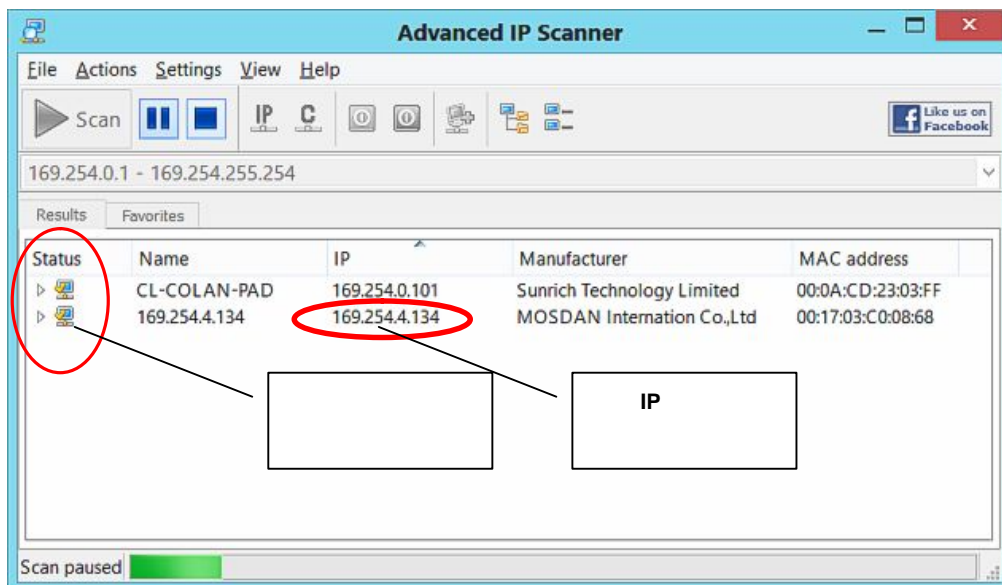
«Status»

( ) IP

).

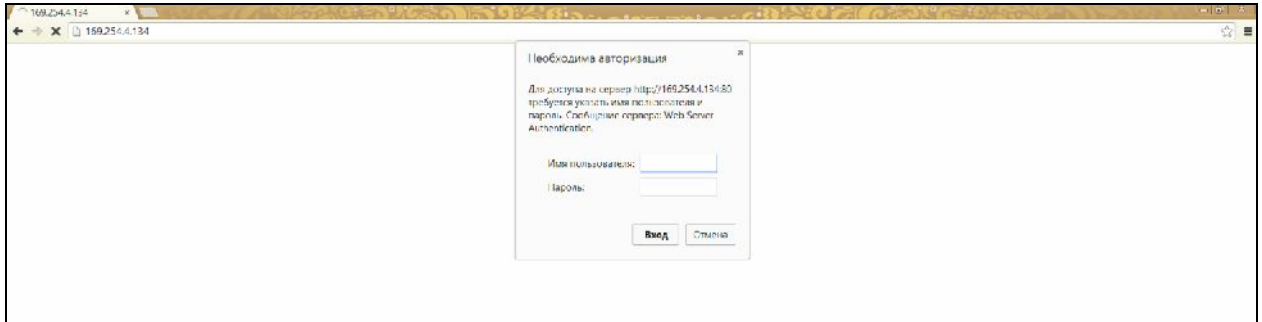
«IP».

«IP».



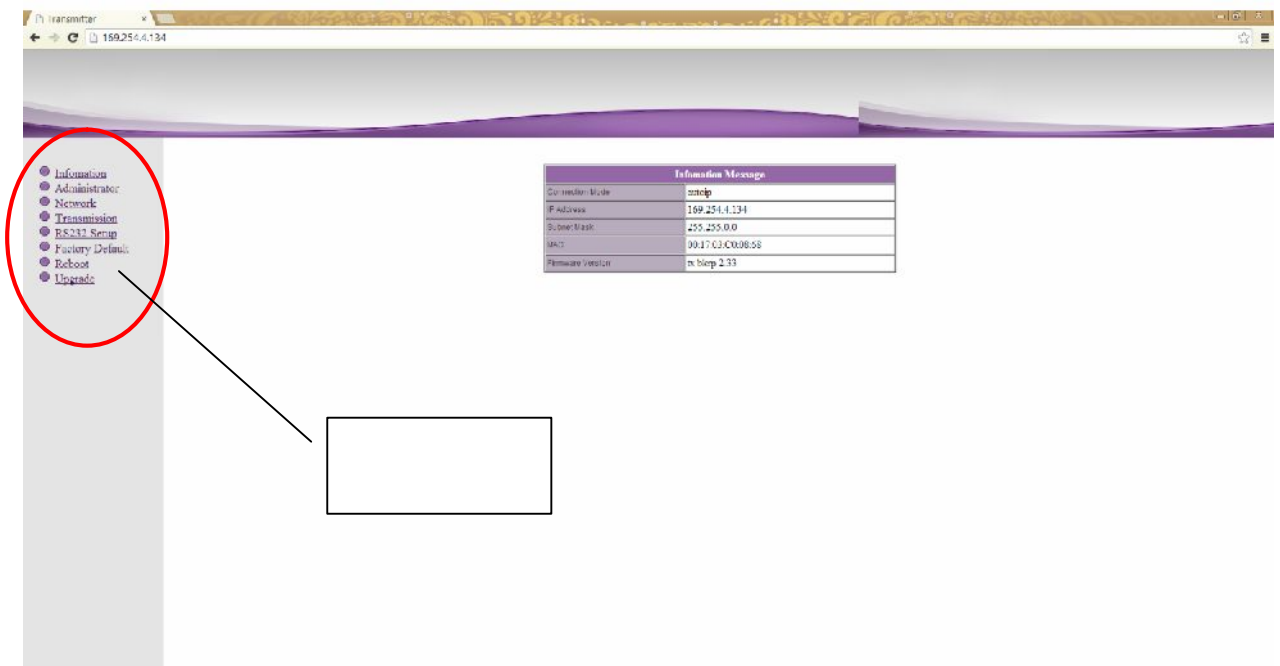
Ethernet  
IP

- 3: WEB ( Firefox ( 3.6 ) Chrome ( 13 )) IP



- 4:
  - (Login): *admin* ( )
  - (Password): *admin* ( ), ( 3.2 («Administrator»)).

- 5: ( )



«Information» ( 3.1

( «Information»)).

- 6: «Network».
- 7: «Autoip»,  
169.254.X.X.

Network Configure	
Connection Mode	Autoip
Warning : If you change any settings, need to reboot.	
Apply	

- 8: IP («Static»  
«DHCP»).

Network Configure	
Connection Mode	Static
Warning : If you change any settings, need to reboot.	
<div style="border: 1px solid black; padding: 2px;">             Static              DHCP           </div>	

«Static» IP

Network Configure	
Connection Mode	Static
IP Address	109.254.4.134
Subnet Mask	255.255.0.0
Warning : If you change any settings, need to reboot.	
Apply	

- 8: «Apply»
- 9: «Reboot»,  
«Reboot».

System Reboot	
System Reboot Button	Reboot

- 10: 3 9 IP , 2 9,

- 11:

## 2.3

## EDID

EDID\*,

EDID,

\*Extended Display Identification Data (EDID) — VESA,

EDID

1.

2.

3. (LAN)

4. (LAN)

5.

6. ( 1.5. «

»)

7.

8. «Sel». «Sel»,

20-30

).

«Sel».

( EDID

## 2.4

«Graphic Mode» «Video Mode».

«2».



3:

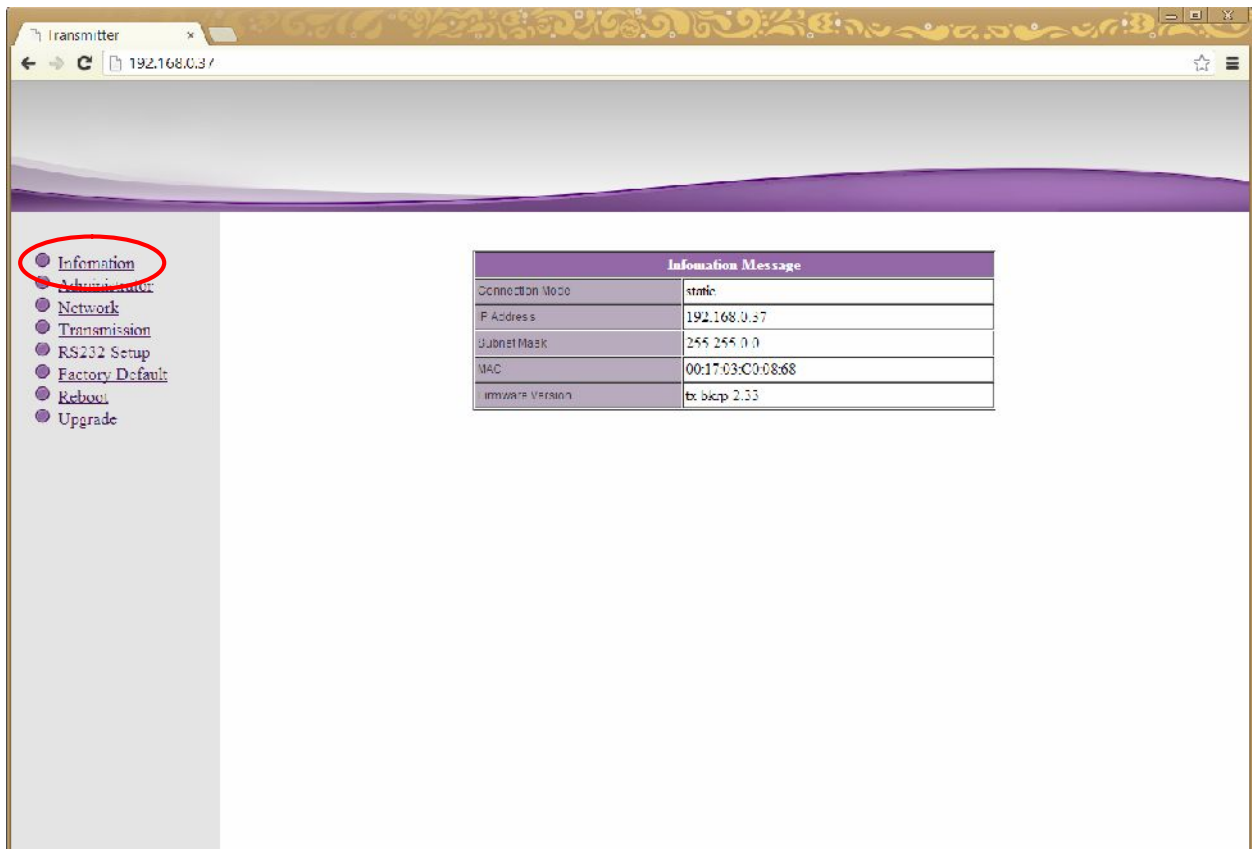
( )

◆ \_\_\_\_\_ :

### 3.1

( «Information»)

( ) (LAN), IP DHCP  
IP .



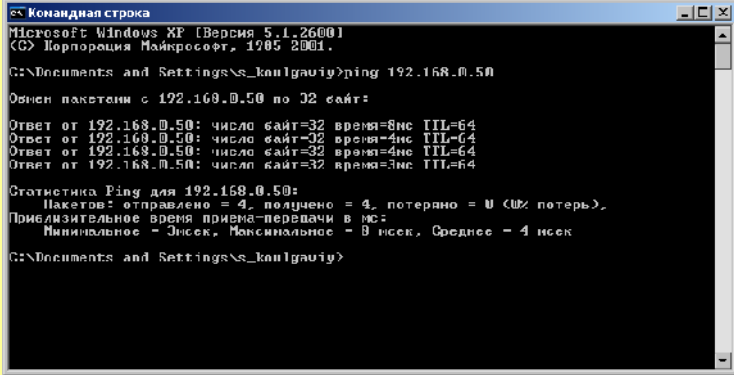
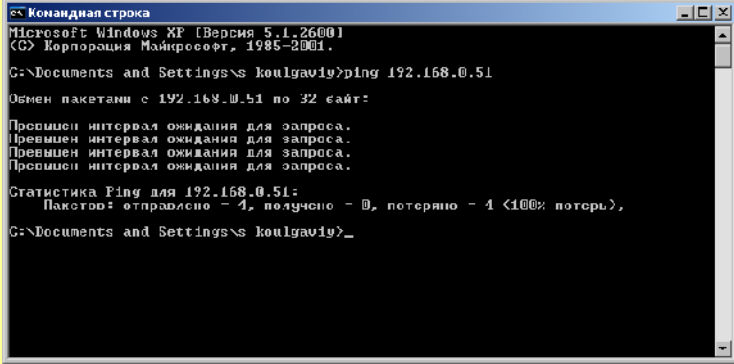
«Information».

),

: ping IP-

( : ping 192.168.0.50).

( )

PING

WINDOWS,

### 3.2

( «Administrator»)

(login)

– admin, – admin.

: «a-z», «A-Z», «0-9».

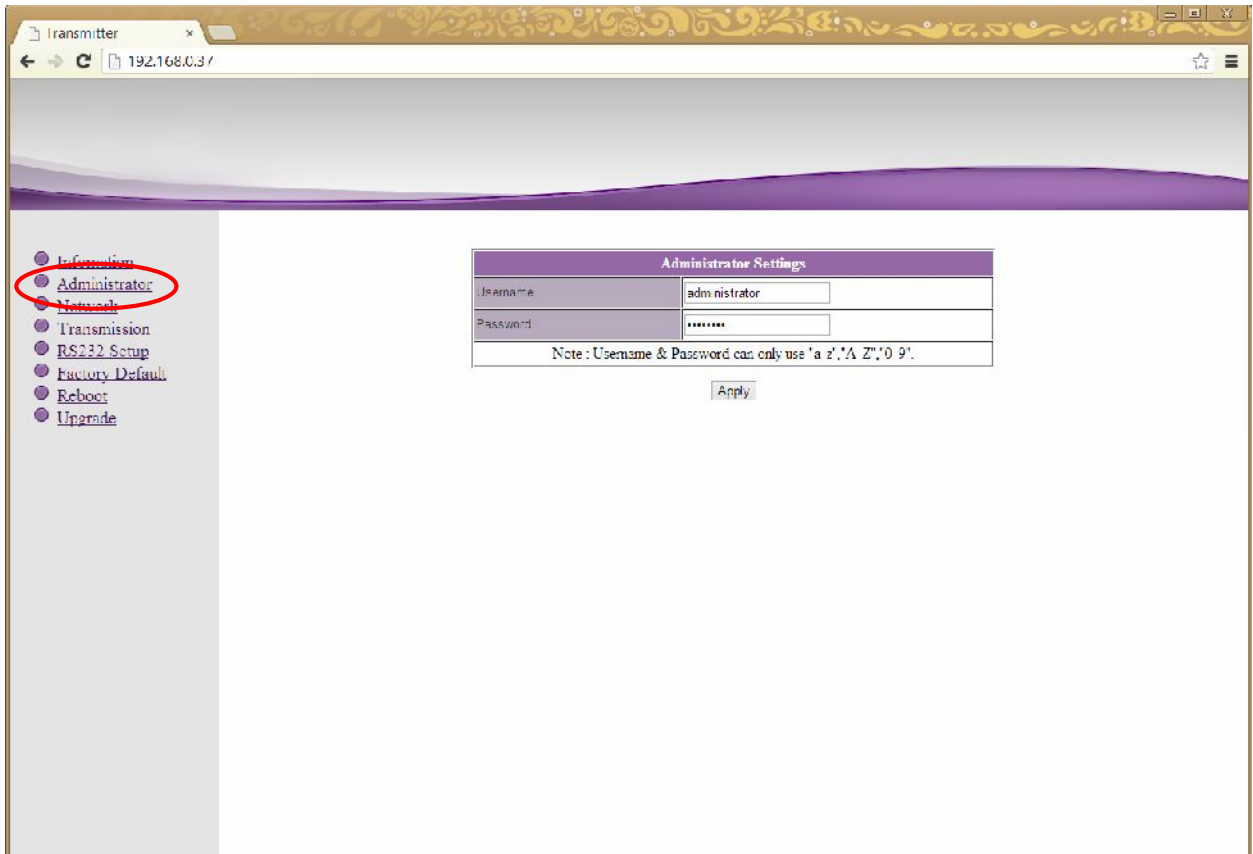
«Administrator»

«Apply».

«Reboot»,

«Reboot».

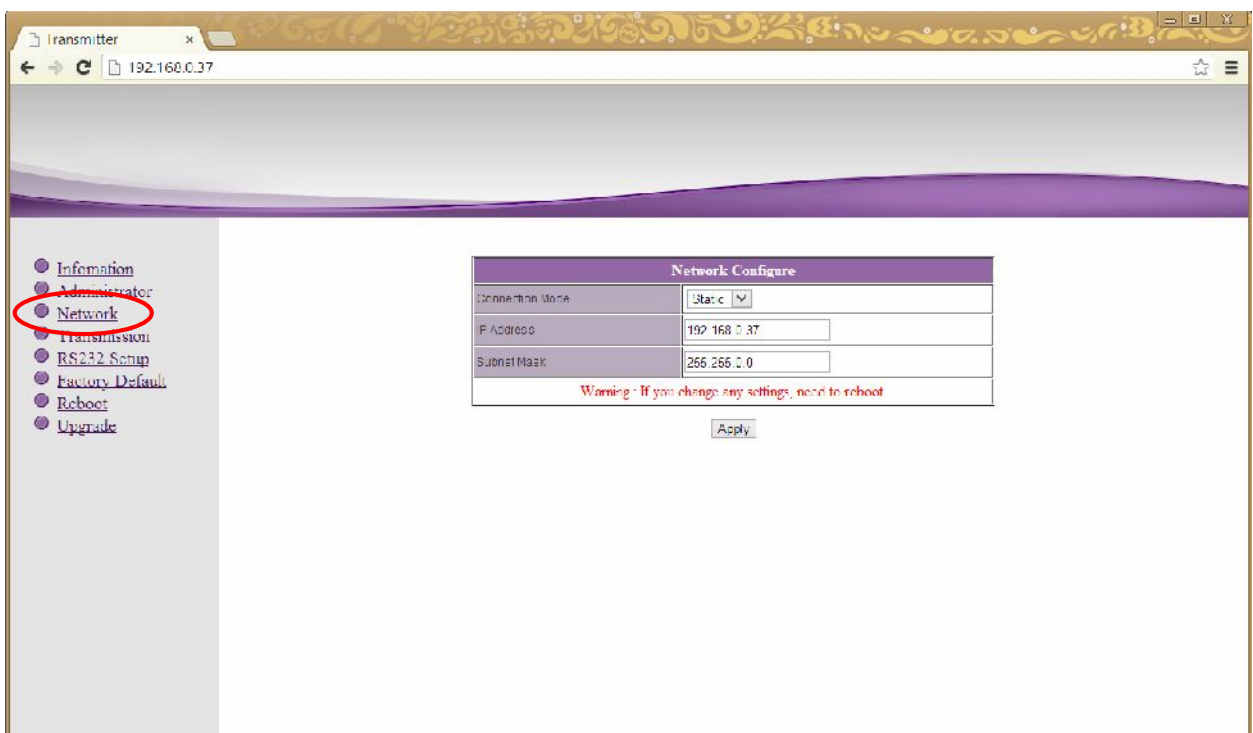




### 3.3

( «Network» )

«Network».





IP («Static» «DHCP»).

Network Configure	
Connection Mode	Static
Warning: If you change any settings, need to reboot.	

«Static»

IP

Network Configure	
Connection Mode	Static
IP Address	109.254.4.134
Subnet Mask	255.255.0.0
Warning: If you change any settings, need to reboot.	

Apply

«Apply»

«Reboot»,

«Reboot».

### 3.4

( «Transmission»)

«Transmission».

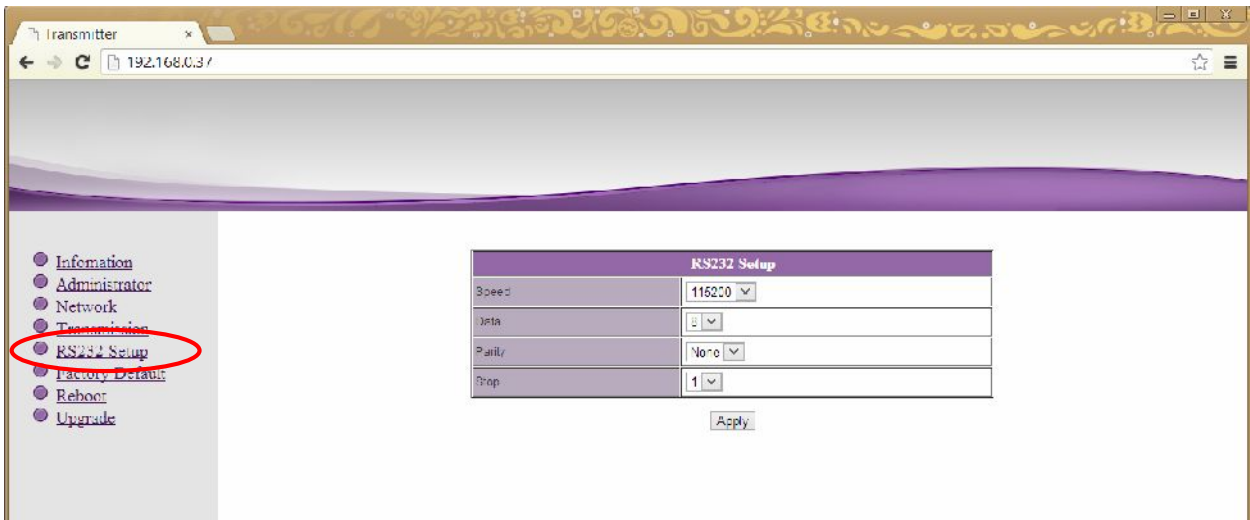
Transmission Configure	
Transmission Type	Multicast
Chunk Size	8KBytes
USB HUB	OFF
KM Over IP	ON
Frame Rate	Auto
Advanced Settings	<a href="#">Advanced</a>
Warning: If you change any settings, need to reboot.	

Apply

- **Transmission Type** – : Unicast Multicast.  
  - Unicast** – Ethernet Ethernet
  - Multicast** – (Ethernet ),
- **Chunk Size** – 8Kbytes ( )..
- **USB HUB** – / USB
- **KM Over IP** – /
- **Frame Rate** – : Auto, 7 f/sec, 15 f/sec, 30 f/sec.  
 «Auto»,
- **Advanced Settings** – 4 ( ).  
 «Apply»  
 «Reboot»,  
 «Reboot».

### 3.5 RS232 ( «RS232 Setup»)

RS232. VGA , «RS232 Setup».  
 RS232.



- Speed –
- Data –
- Parity –
- Stop –

«Apply»

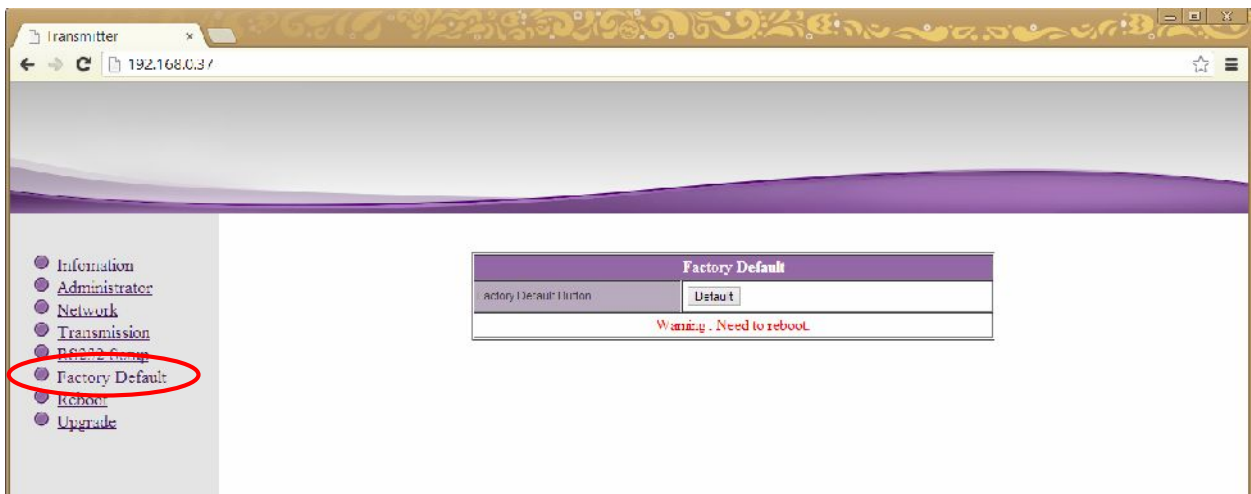
«Reboot»,

«Reboot».

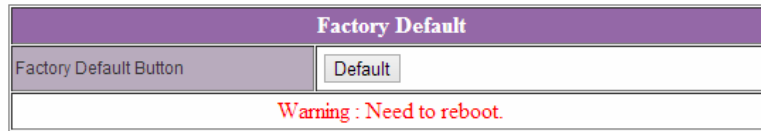
### 3.6

( «Factory Default»)

«Factory Default».



«Default».



Для установки заводских настроек нажмите кнопку «Default».

**Внимание !!!** IP Адрес передатчика будет изменен на исходный заводской адрес из сети 169.254.X.X.

«Reboot».

«Reboot».

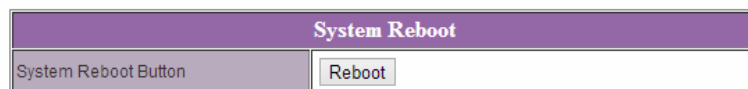
### 3.7

( «Reboot» )

«Reboot».



«Reboot».

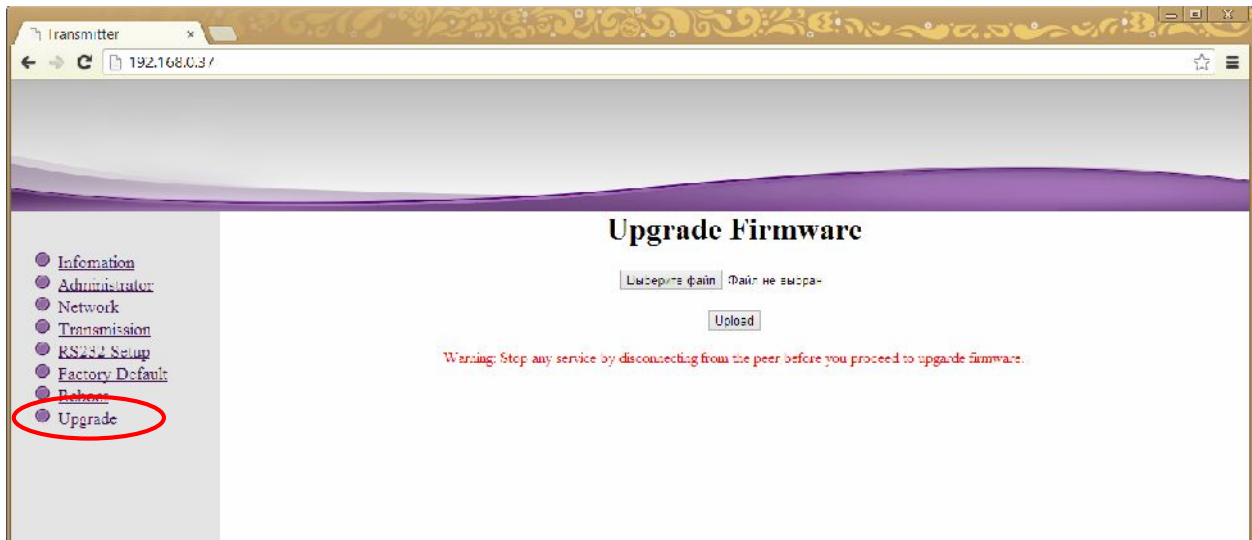


«Reboot».

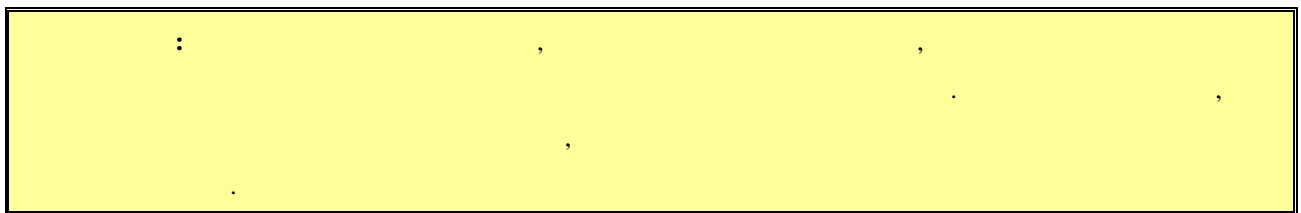
### 3.8

### ( «Upgrade»)

, VGA , USB  
RS232,  
«Upgrade».



« » (Select File).  
«Upload».



# ГЛАВА 4: РАСШИРЕННЫЕ НАСТРОЙКИ ПЕРЕДАТЧИКА

3.4 ( ),

80-

80

( . 3.4 )

## «Advanced Settings»

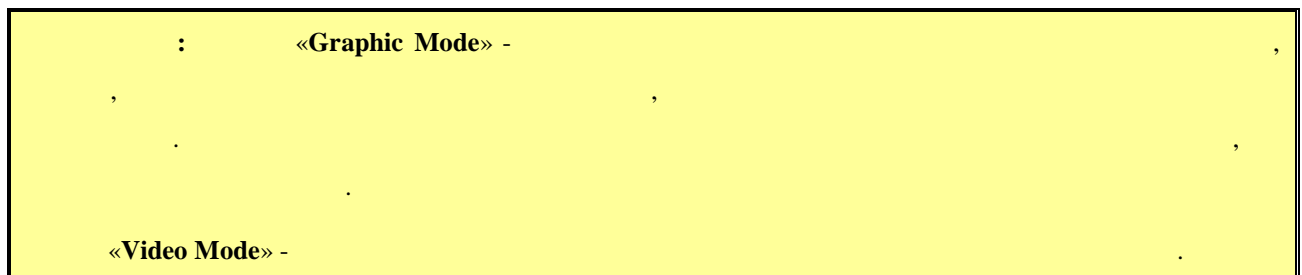
The screenshot shows the 'Advanced Settings' page of a transmitter web interface. The browser address bar shows '192.168.0.37'. The left sidebar contains a navigation menu with the following items: Information, Administrator, Network, Transmission, RS232 Setup, Factory Default, Reboot, and Upgrade. The main content area displays a table of settings for various video resolutions and quality levels.

General	1920	1920_Low	1280	1280_Low	800
Dynamic Quality Enable	Enable	Enable	Enable	Enable	Enable
Default Quality Mode	High	High	High	High	High
Stream BufPkt Size	128KB	128KB	128KB	128KB	128KB
Stream BufPkt Num	32	32	32	32	32
Quality0 (Text)	1920	1920_Low	1280	1280_Low	800
Normal Luma Table Selection	5	5	5	6	11
Normal Chroma Table Selection	20	25	22	22	27
High Quality Enable	Enable	Enable	Enable	Enable	Enable
Best Quality Enable	Enable	Enable	Enable	Enable	Enable
High DeValue Or High Luma Jpeg	4	4	4	4	4
Best DeValue Or High Chroma Jpeg	1	1	1	1	1
Under Mode	Unable	Unable	Unable	Unable	Unable
Frame Rate Control	0	0	0	0	0
Filter Scale	Disable	Disable	Disable	Disable	Disable
Ver. Scale	Disable	Disable	Disable	Disable	Disable
Quality1 (High)	1920	1920_Low	1280	1280_Low	800
Normal Luma Table Selection	9	7	7	7	11
Normal Chroma Table Selection	25	23	22	22	27
High Quality Enable	Enable	Enable	Enable	Enable	Enable
Best Quality Enable	Enable	Disable	Enable	Enable	Enable

: General,

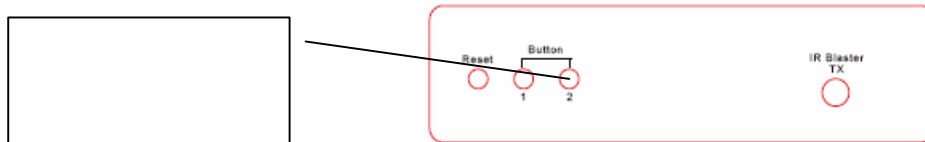
Quality0 (Text), Quality1 (High), Quality2 (Med), Quality3 (Low).

- 1920 – 1920 1080
- 1920\_Low – <1920> 1280 720.
- 1280 – 1280 720
- 1280\_Low – <1280> 800 600.
- 800 – 800 600



«Graphic Mode» «Video Mode»,

<2>



## 4.1

(Transmission->Advanced Settings->General)

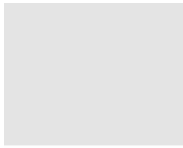
- Dynamic Quality Enable –

«Default Quality Mode».

Default Quality Mode –

: Text, High, Med, Low.

«Apply»



Frame Rate Control	1	0	0	0	0
Hor. Scale	Disable	Disable	Disable	Disable	Disable
Ver. Scale	Disable	Disable	Disable	Disable	Disable

Default Apply

## 4.2

(Transmission->Advanced

Settings->Quality0... Quality3)

: «Quality0(Text)», «Quality1(High)»,

«Quality2(Med)», «Quality3(Low)».

The screenshot shows a settings menu with a sidebar on the left containing options: Information, Administrator, Network, Transmission, RS232 Setup, Factory Default, Reboot, and Upgrade. The main area displays a table of settings for Quality3 (Low). A red box highlights the Quality3 (Low) section, and two arrows point from empty boxes on the left to the highlighted section.

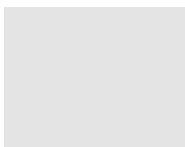
	1920	1920_Low	1280	1280_Low	800
Normal Luma Table Selection	5	4	4	4	9
Normal Chroma Table Selection	20	20	20	20	25
High Quality Enable	Enable	Enable	Enable	Enable	Enable
Best Quality Enable	Disable	Disable	Disable	Disable	Disable
High PreValue Cr-High Luma Jpeg	7	7	10	10	1
Best PreValue Cr-High Chroma Jpeg	23	23	26	26	1
Codec Mode	Disable	Disable	Disable	Disable	Enable
Frame Rate Control	1	0	0	0	0
Hor. Scale	Disable	Disable	Disable	Disable	Disable
Ver. Scale	Disable	Disable	Disable	Disable	Disable

Default Apply



- **Normal Luma Table Selection** – (Dynamic Quality Enable).
- **Normal Chroma Table Selection** – (Dynamic Quality Enable).
- **High Quality Enable** –
- **Best Quality Enable** –
- **High DeValue Or High Luma Jpeg** – Jpeg
- **Best DeValue Or High Luma Jpeg** – Jpeg
- **Codec Mode** – Jpeg.
- **Frame Rate Control** –
  - **0** – «Video Mode»
  - **1** –
  - **2** – 2
  - **3** – 3

«Apply»



Frame Rate Control	1	0	0	0	0
Hor Scale	Disable	Disable	Disable	Disable	Disable
Ver Scale	Disable	Disable	Disable	Disable	Disable

Default Apply

«Default»



Frame Rate Control	1	0	0	0	0
Hor Scale	Disable	Disable	Disable	Disable	Disable
Ver Scale	Disable	Disable	Disable	Disable	Disable

Default Apply

«Full HD»,

- «Dynamic Quality Enable».

- «High Quality Enable»

- «Best Quality Enable»

- «Normal Luma Table

Selection» «Normal Chroma Table Selection»

«High

DeValue Or High Luma Jpeg» «Best DeValue Or High Chroma Jpeg»

«High DeValue Or High

Luma Jpeg» «Best DeValue Or High Chroma Jpeg»

1920 1080,

«Normal Luma Table Selection» «Normal Chroma Table Selection»

8 20

«High DeValue Or High Luma

Jpeg» «Best DeValue Or High Chroma Jpeg»

5.

Quality1 (High)	1920	1920_Low	1280	1280_Low	800
Normal Luma Table Selection	5	7	7	7	11
Normal Chroma Table Selection	16	20	22	22	27
High Quality Enable	Disable	Enable	Enable	Enable	Enable
Best Quality Enable	Disable	Disable	Enable	Enable	Enable
High DeValue Or High Luma Jpeg	10	10	4	4	5
Best DeValue Or High Chroma Jpeg	10	26	2	2	1
Codec Mode	Enable	Disable	Enable	Enable	Enable
Frame Rate Control	0	0	0	0	0
Hor Scale	Disable	Disable	Disable	Disable	Disable
Ver Scale	Disable	Disable	Disable	Disable	Disable



# 5:

( )

## 5.1



## 5.2

(TNT MMS-500V-R)



(VLAN)

\*1Gbit/s.

( SMM / . .), TNT SMMC-3000/6000/6000A.

## 5.3

	VGA – 1 ( ) DVI – 1 ( ) RS232 – 1 (DB9 Male) RJ45 – 1 USB – 1 «B» – 1 (mini jack 3.5 ) – 1
.	1920x1080 (1080P)
.	100 ( - )
Ethernet	GigabitEthernet (1000Base-T)
	TCP/IP
	– 1 ( ) – 1 ( )
	-15...+55°
	0...+45 °
	5...90%
	DC 5V, 2
	530 .
	170x120x30
	(LAN)