

# Методическое пособие для системного интегратора



## TNTv В КОНФЕРЕНЦ-ЗАЛАХ и многофункциональных залах-трансформерах



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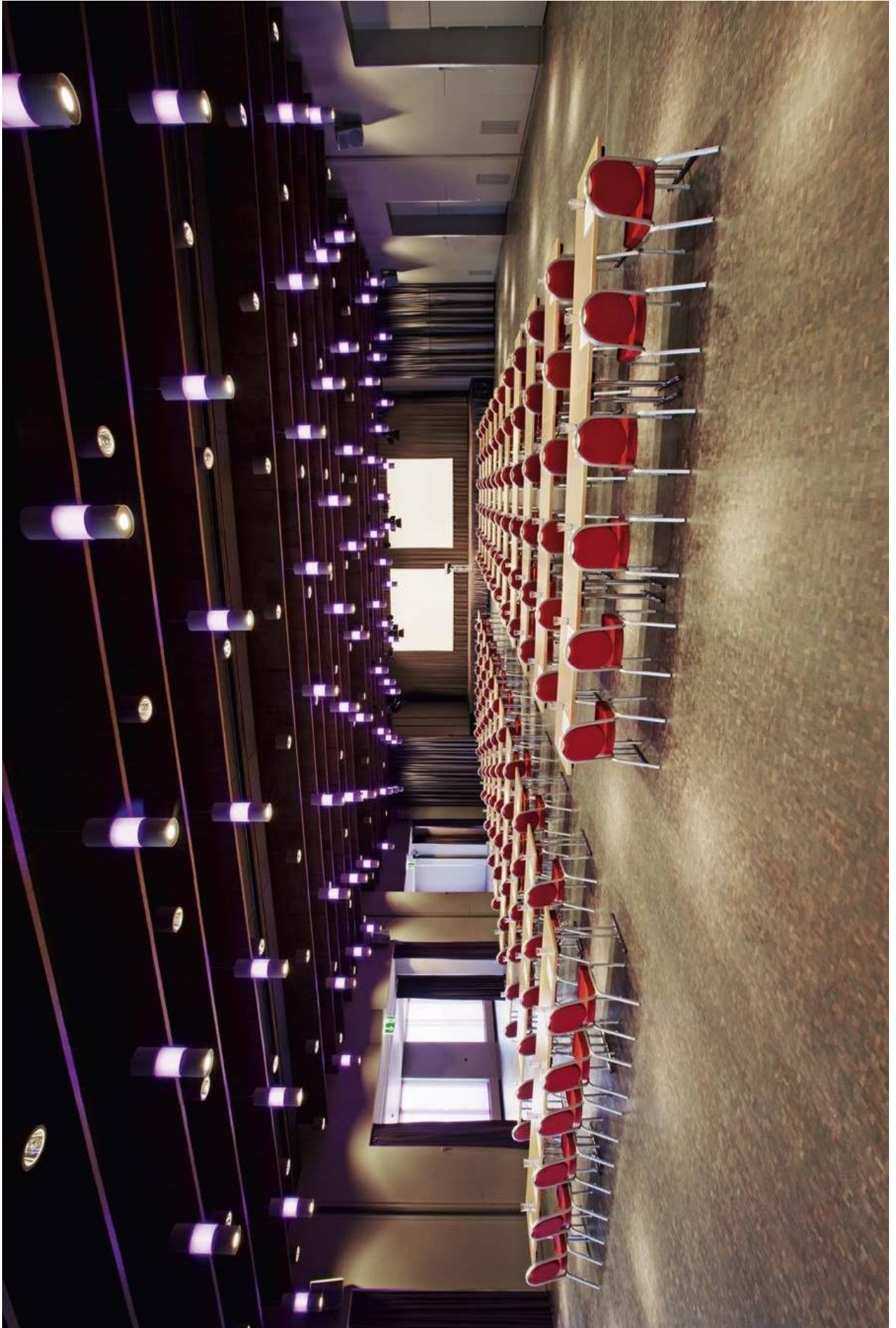
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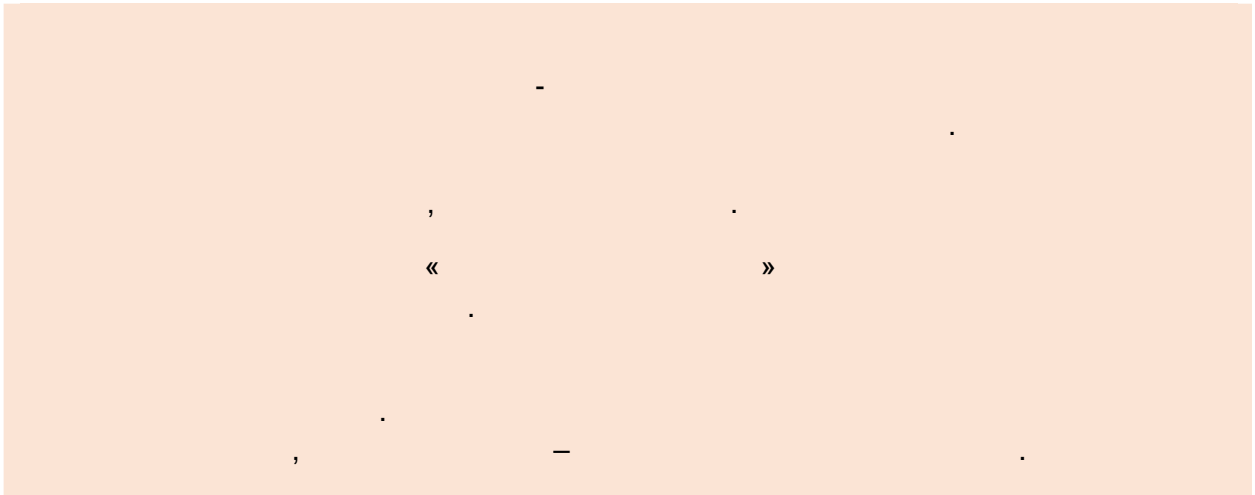


	<p>Projection : Panasonic, Christie, Digital</p>
	

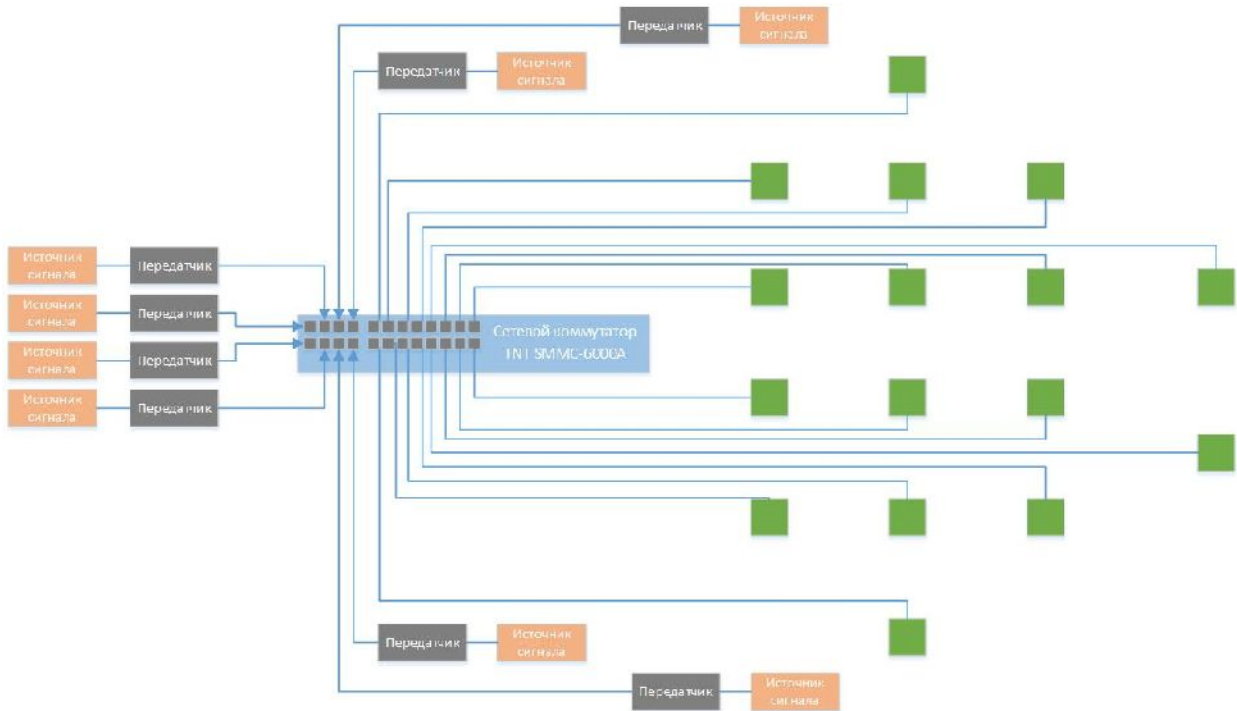
	: Panasonic, LG, Samsung, Orion, NEC
	ArthurHolm, ElementOne



TNT, SMM  
TNTv Digital Signage.  
) MMS MMS ( SMM  
SMM MMS TNT  
SMM MMS MMS  
, : HDMI (DVI-D) VGA.



<b>TNTv</b>	
SMM	2050\$.,
1	SMM



	<b>SMM</b>
<b>TNT SMMC (Smart Matrix Multimedia Commutator)</b>	( ) ; , TNT MMS. 12 (SMMC-3000) 24 (SMMC-6000).

	RS -232.
<b>TNT MMS-520H-T</b>	<b>MMS</b> . C ( ) , .
<b>TNT MMS-520H-R</b>	<b>MMS</b> . ( ) , .

**SMM**

**(TNT SMMC)**

( ), , TNTv, SMM (SMMC).



**(TNT MMS-520H-T, TNT MMS-520H-R)**

( )

- RS232
- Gigabit Ethernet (1000Base-T) TCP/IP. (LAN,
- (RS232 )
- ( ) (LAN,
- RS232, USB, ( )



1.

SMM

5 6.

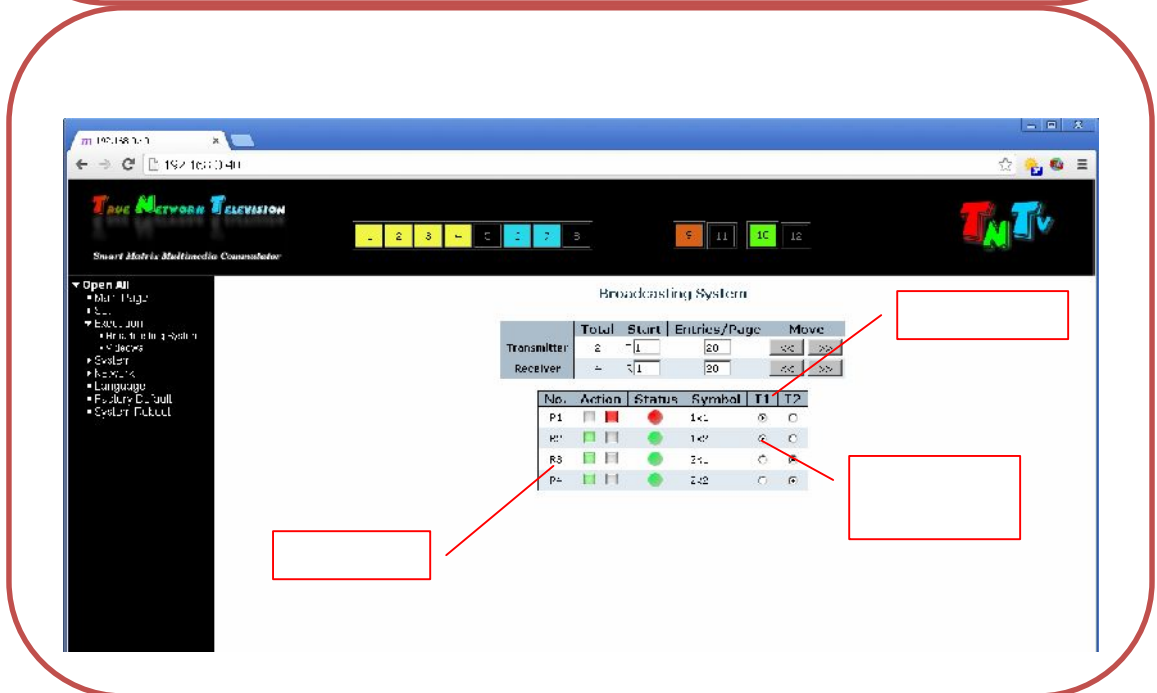
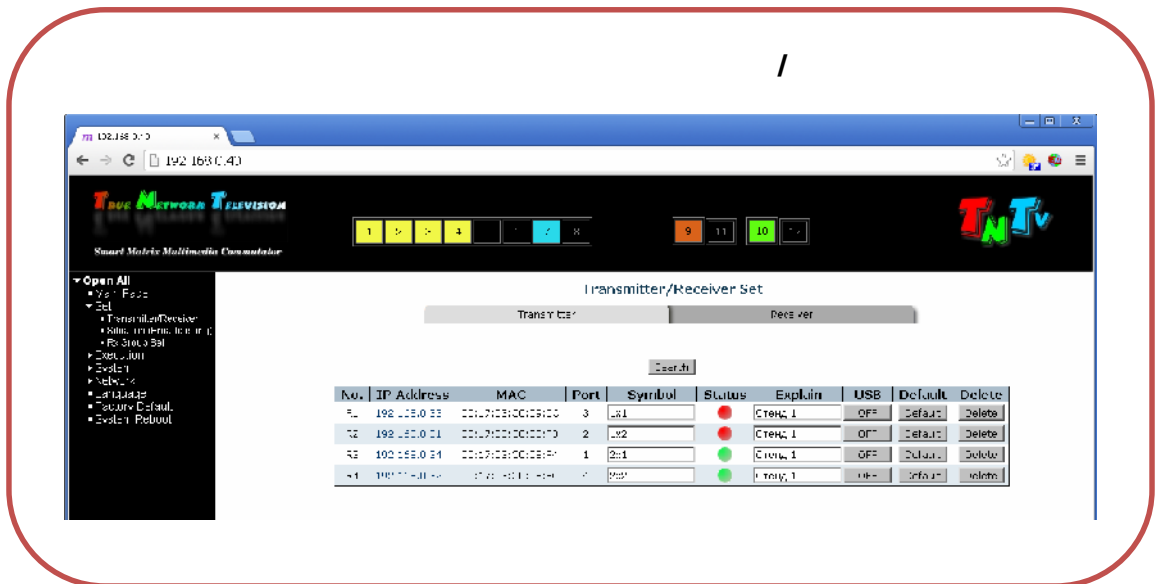
2.

SMM

SMM

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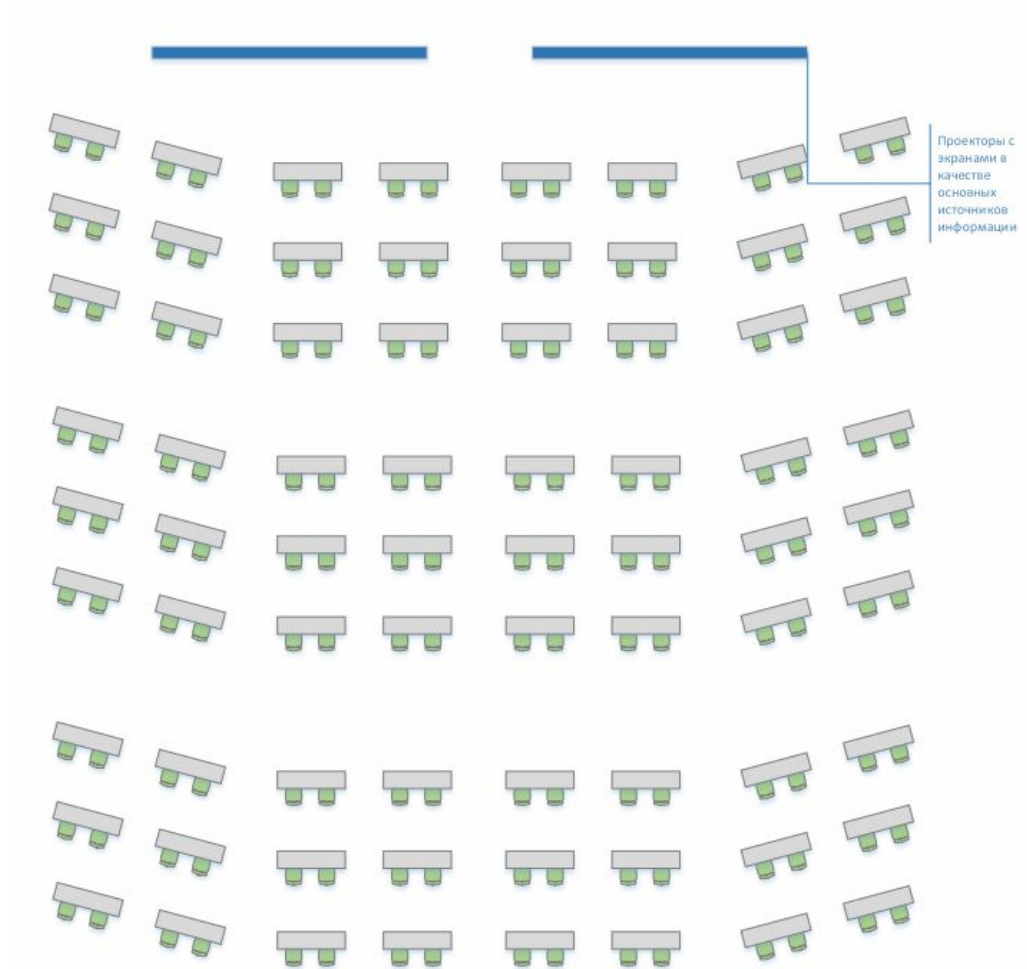
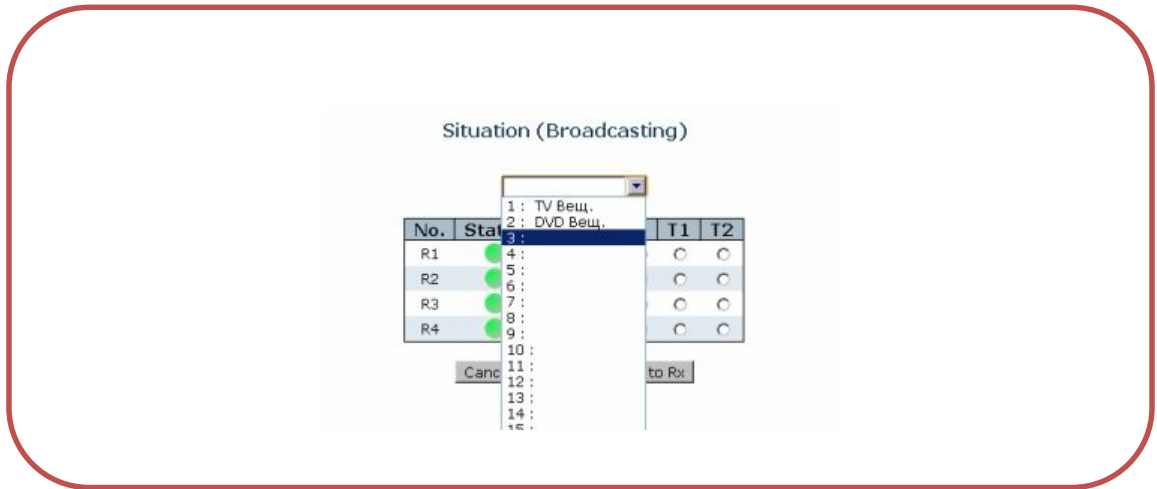
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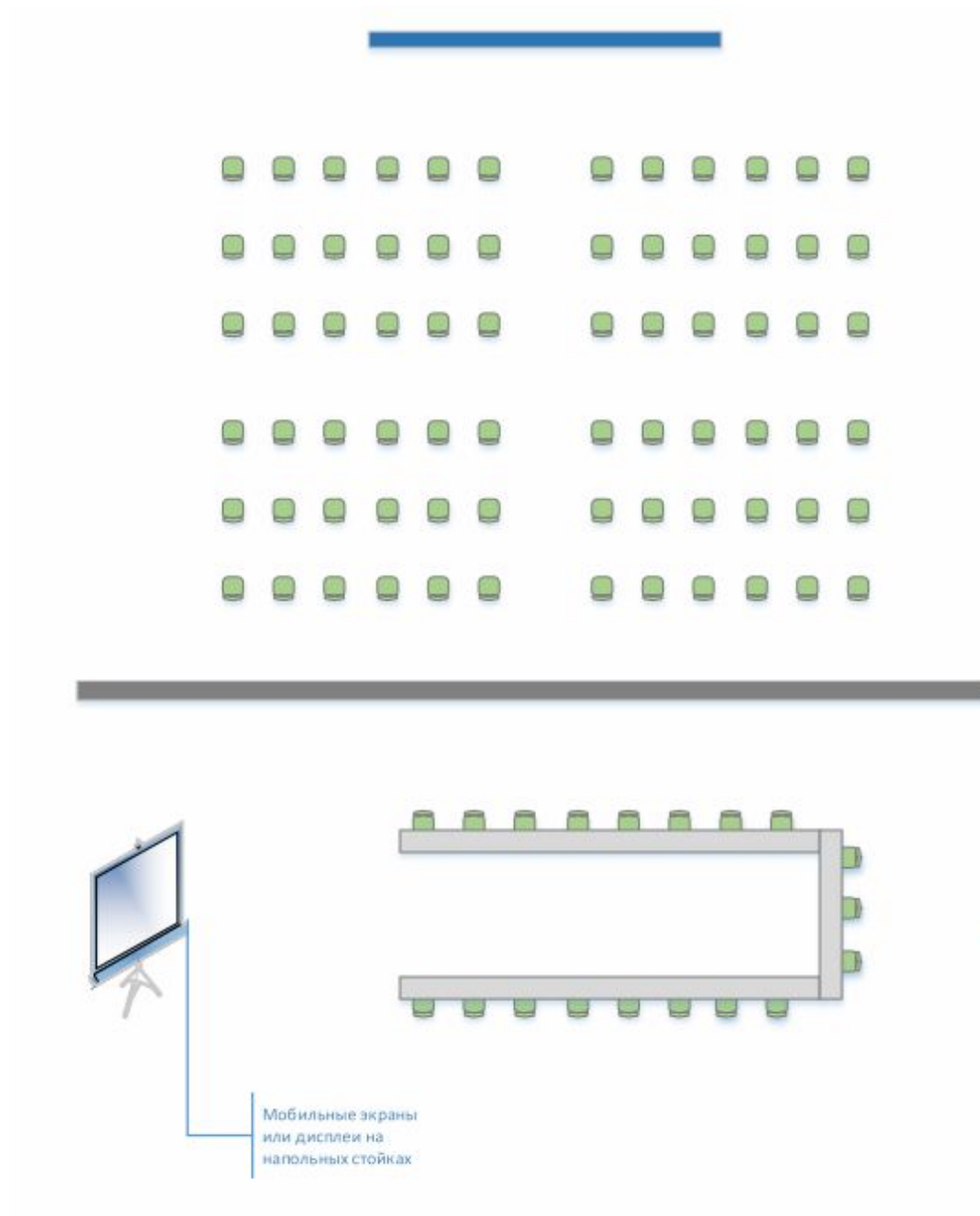




3.

( )





4.

				,\$	\$'
TNT SMMC-6000	SMM GigabitEthernet (TCP/IP), 24xRJ45+4 miniGBIC (SFP), 19"/	24	1	2050\$	2050\$
TNT MMS-520H-T	: HDMI, RS-232, IR. GigabitEthernet (TCP/IP). 1920*1080 60Hz		8	290\$	2320\$
TNT MMS-520H-R	: HDMI, RS-232, IR. GigabitEthernet (TCP/IP). 1920*1080 60Hz		8	290\$	2320\$
	, Cat6, , 305		1	100\$	100\$
	RJ45,		1	30\$	30\$

**Итого: 6820\$\***

\* SMM ( 24 ) / MMS ( )

KramerElectronics.

				,\$	\$'
Kramer VS-88HDCPXL	HDMI.	, 8:8 DVI-D	1	5275\$	5275\$
Kramer TP-573	RS-232	HDMI,	8	352\$	2816\$
Kramer TP-574	RS-232	HDMI, TP-574	8	352\$	2816\$
	, Cat6, , 305		1	100\$	100\$
	RJ45,		1	30\$	30\$

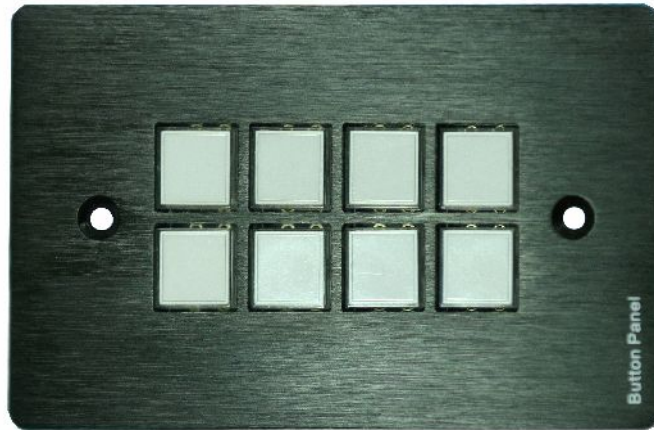
1.

SMM

( 100 .)

( RS232/485/ ),

RS232/485/

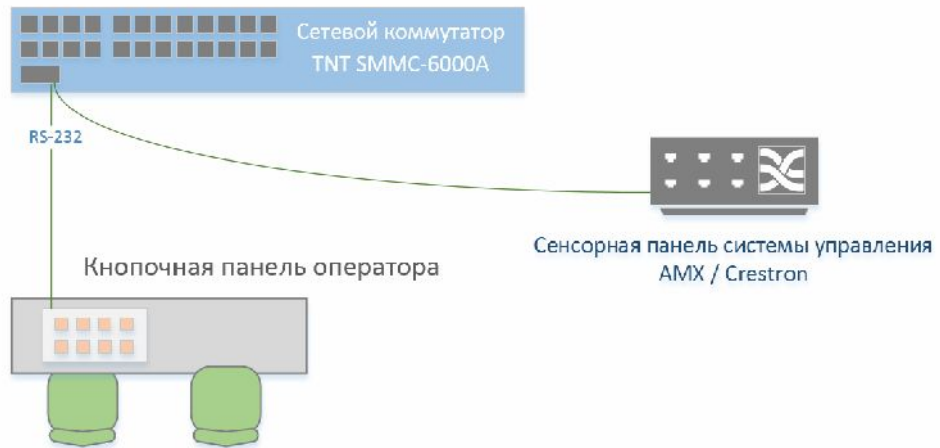


2.

RS-232.

SMM

: Crestron, AMX, CUE



**SMM**

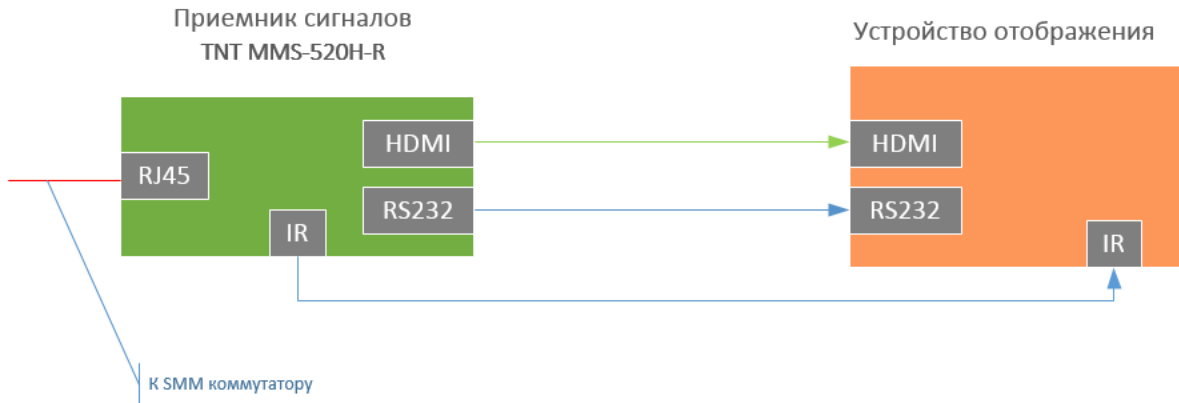
**(TNT SMMC)**

( ),  
 TNTv, SMM (SMMC).

	TNT SMMC-6000	TNT SMMC-3000
	LAN - 24 RJ45 10/100/1000 RS232 - 1 DB9 Mini GBIC (SFP) – 4 (4 - 1 14	LAN - 12 RJ45 10/100/1000 RS232 - 1 DB9 Mini GBIC (SFP) – 2 - 1 14
	- 1	
	1920 x 1080 (1080P)	
	100	
	12	6
Ethernet	GigabitEthernet (1000Base-T)	
	TCP/IP	

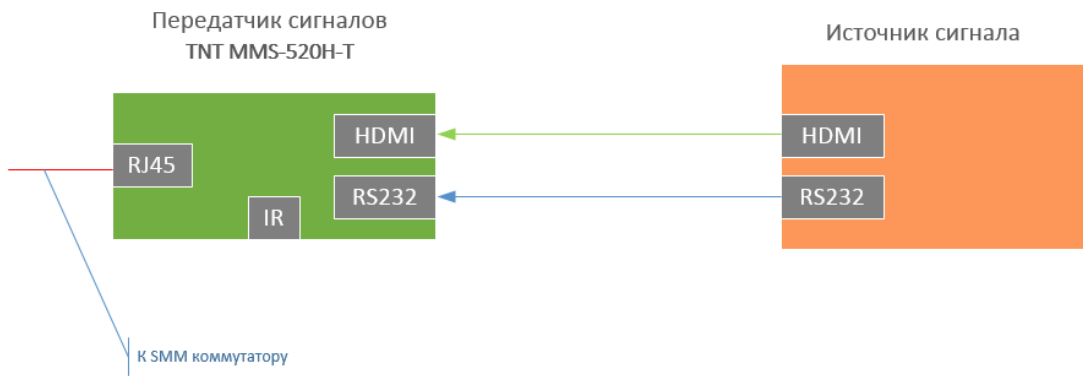


### Подключение приемников TNT



SMM

### Подключение передатчиков TNT



HDMI 1.3.

HDCP

2.0.



- ( 3-5 , ).
- 1,9 .
- 1 .



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1920\*1080 px

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**VALLEY FEDERAL CREDIT UNION**

**CURRENT SPECIALS**

THURSDAY, 06/15/13 8:30 AM

**RETIREMENT IDEAS MADE EASY**  
MEET WITH ONE OF OUR RETIREMENT SPECIALISTS TO PLAN FOR YOUR FUTURE.

**FREE HIGH-RATE SAVINGS**  
TODAY'S RATE **3%**

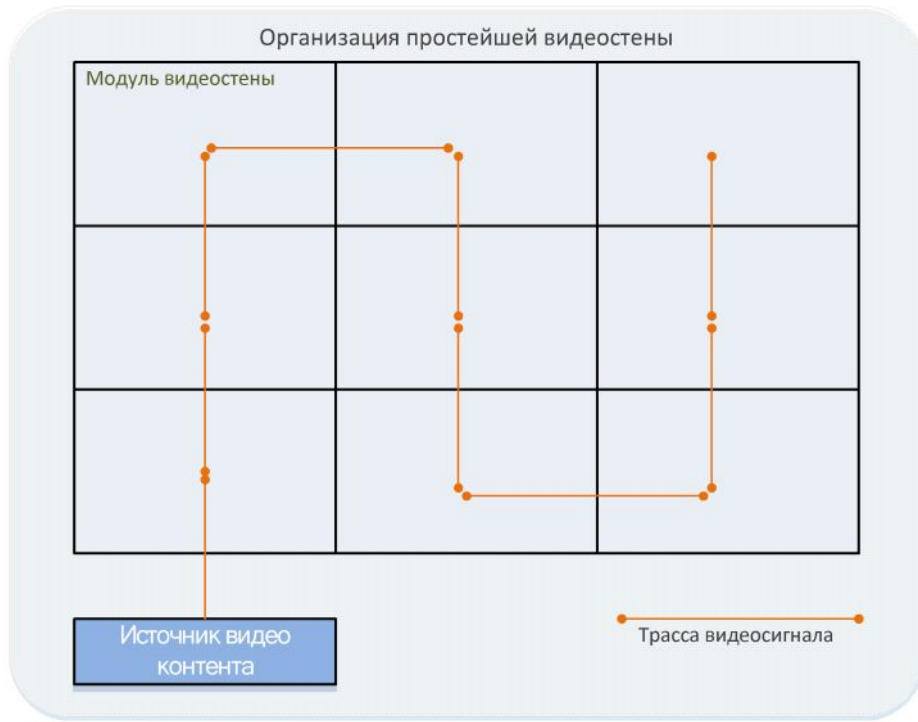
**AUTO & HOME LOANS MADE EASY**

MORTGAGE RATES	AUTO RATES
<b>3%-4.5%</b>	<b>2%-5%</b>

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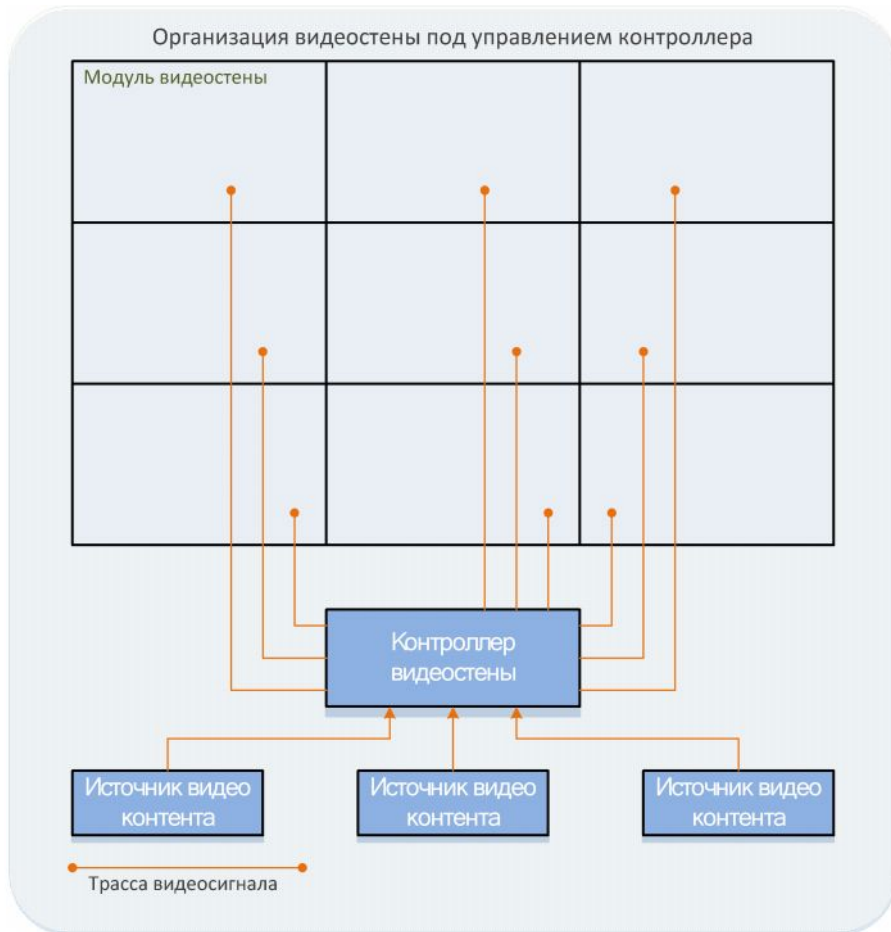
<ul style="list-style-type: none"> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>

2.

( "controller" - )

( , ) ;

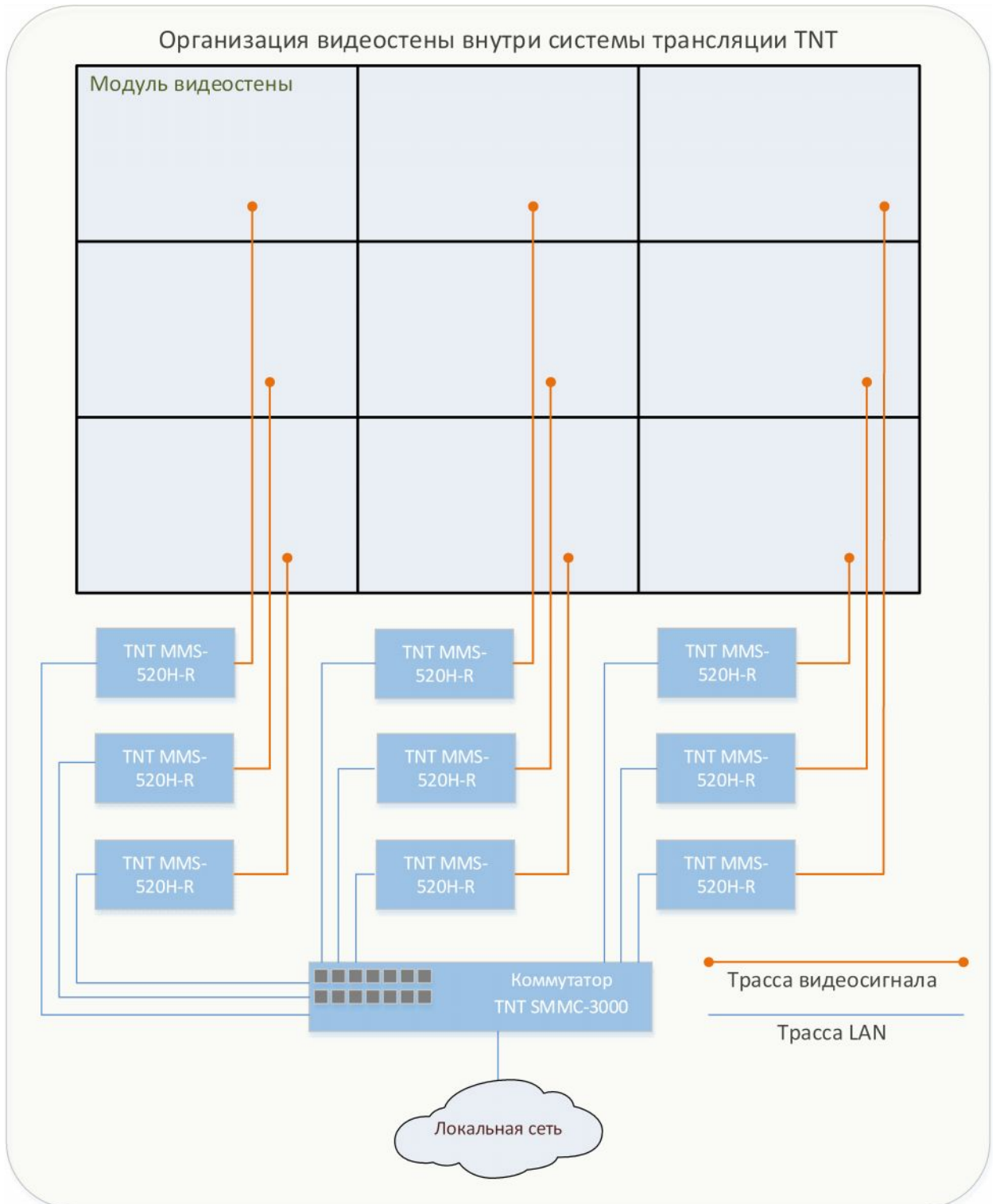
( , ) ( )



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## Подход 3. Решение на основе оборудования TNT

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 ).  
 SMM  
 TNT MMS-520H-R  
 TNT MMS-520H-T  
 TNTv, SMM TNT SMMC-  
 3000 SMM  
 TNTv.

**Данное решение предлагает следующие возможности**

- 
- SMM 16
- SMM 16- (

		, \$.		, \$.
	46", 1920*1080px, 60fps	1700\$	9	15300\$
		300\$	9	2700\$
TNT MMS-520H-R	HDMI+RS232+IR, 100 GigabitEthernet (TCP/IP), HDMI+RJ45+RS232+IR, F+F+M, 220V 5V, (1920*1080 60Hz;HDTV 480p/720p/1080i/1080p)	290\$	9	2610\$
TNT MMS-520H-T	HDMI+RS232+IR, 100 GigabitEthernet (TCP/IP), HDMI+RJ45+RS232+IR	290\$	1	290\$
TNT SMMC-3000	/, 12 GigabitEthernet (TCP/IP), 10xRJ45+2 miniGBIC (SFP), 19"	1670\$	1	1670\$

**22570\$**

**4570\$**

**18000\$**

3 3

, 4570\$.

1. « - - »



HD-

2.



1.

Samsung, Orion, NEC.

Panasonic, LG,

2.

: Peerless, Chief, PremierMounts.

MasterRack

3.

TNT

4.

SMM

The screenshot shows a web browser window with the URL 192.168.0.10. The page title is "Video Wall Setting". It features a navigation menu on the left and a main content area with a table of configurations.

No.	Source	Layout	Multi-Host Mode Action	Members	Clear
51	null	1	<input type="checkbox"/>	-:	null
52	null	1	<input type="checkbox"/>	-:	null
53	null	1	<input type="checkbox"/>	-:	null
54	null	1	<input type="checkbox"/>	-:	null
55	null	1	<input type="checkbox"/>	-:	null
56	null	1	<input type="checkbox"/>	-:	null
57	null	1	<input type="checkbox"/>	-:	null

No.	Status	Symbol	Host Group	Element	H Tune	V Tune	H Scale	V Scale	Tearing Delay	Identify
R1	●	1x1	T1	1	0	0	0	0	-	<input type="checkbox"/>
R2	●	1x2	null	2	0	0	0	0	-	<input type="checkbox"/>
R3	●	2x1	null	null	0	0	0	0	-	<input type="checkbox"/>
R4	●	2x2	null	null	0	0	0	0	-	<input type="checkbox"/>

5.

The screenshot shows the "Video Wall Setting" interface with a dropdown menu open for "Video Wall Preset". The menu lists various options including "Current", "1: DVD1", "2: DVD2", "3: Утро", "4: День", "5: Вечер", "6: ЧП", "7: Трансляц", "8: TV-1", "9: TV-2", "10: 2222", "11:", "12:", "13:", and "14:". Below the menu is a table of group assignments.

No.	Source	Layout	Mul	Members
G1	T2: DVD	2 x 2		1 (1 x 1): 1 2 (1 x 2): 2 3 (2 x 1): 3 4 (2 x 2): 4
G2	T1: МКШ	4 x 4		null
G3	T3: VGA	3 x 3		null
G4	T2: DVD	5 x 5		null
G5	T3: VGA	3 x 7		null
G6	null	1 x 1		null
G7	null	1 x 1		null
G8	null	1 x 1		null
G9	null	1 x 1		null
G10	null	1 x 1		null
G11	null	1 x 1		null
G12	null	1 x 1		null
G13	null	1 x 1		null
G14	null	1 x 1		null
G15	null	1 x 1		null
G16	null	1 x 1		null

AMX,

(Crestron, CUE).





Jupiter	

<b>RGB Spectrum</b>	
<b>Extron</b>	
<b>TV One</b>	

TNT.

SDI/CVBS. 1920 1200@60. : VGA/YPbPr, HDMI(DVI-D)/DP, HD-  
- HDMI.

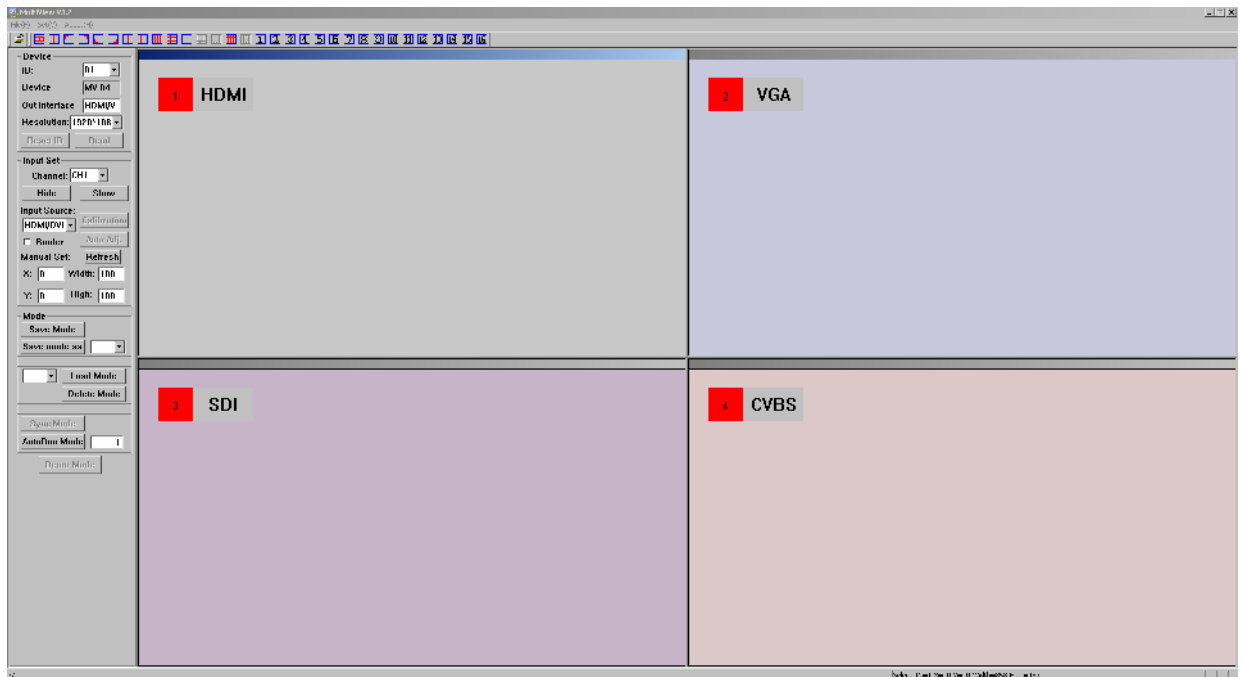
( 4 16),

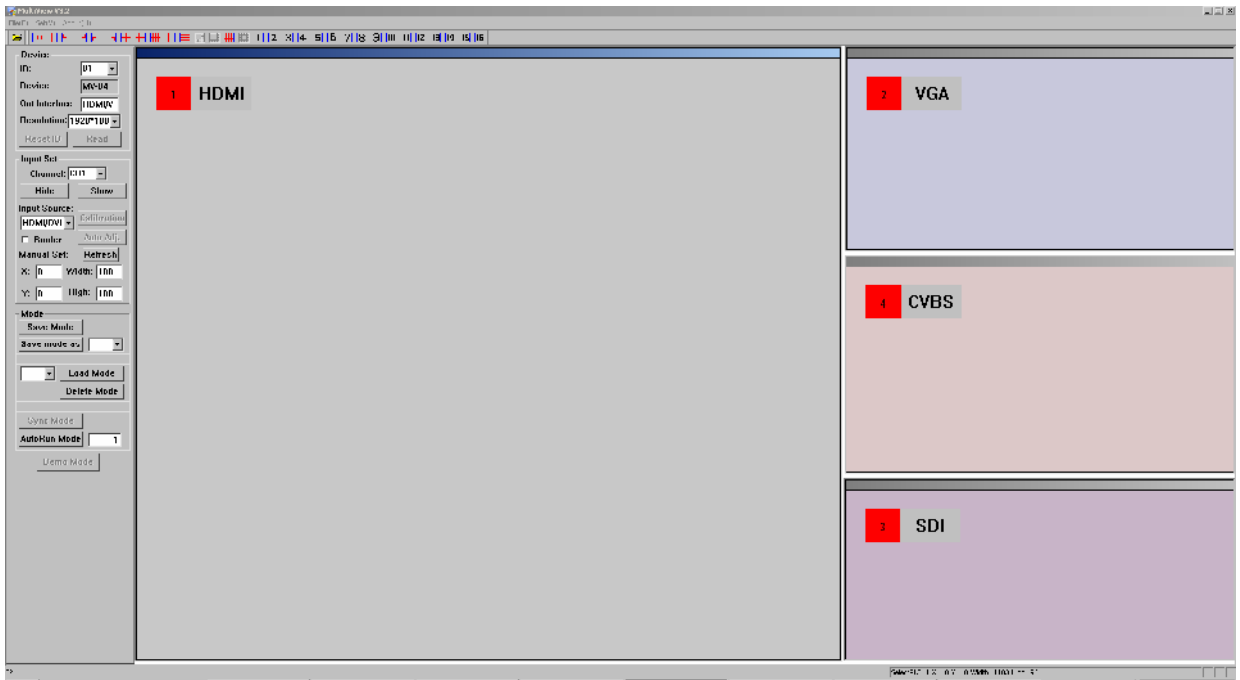
(VGA/YPbPr, HDMI(DVI-D)/DP, HD-SDI/CVBS).

( )

15.

TNT RS232,

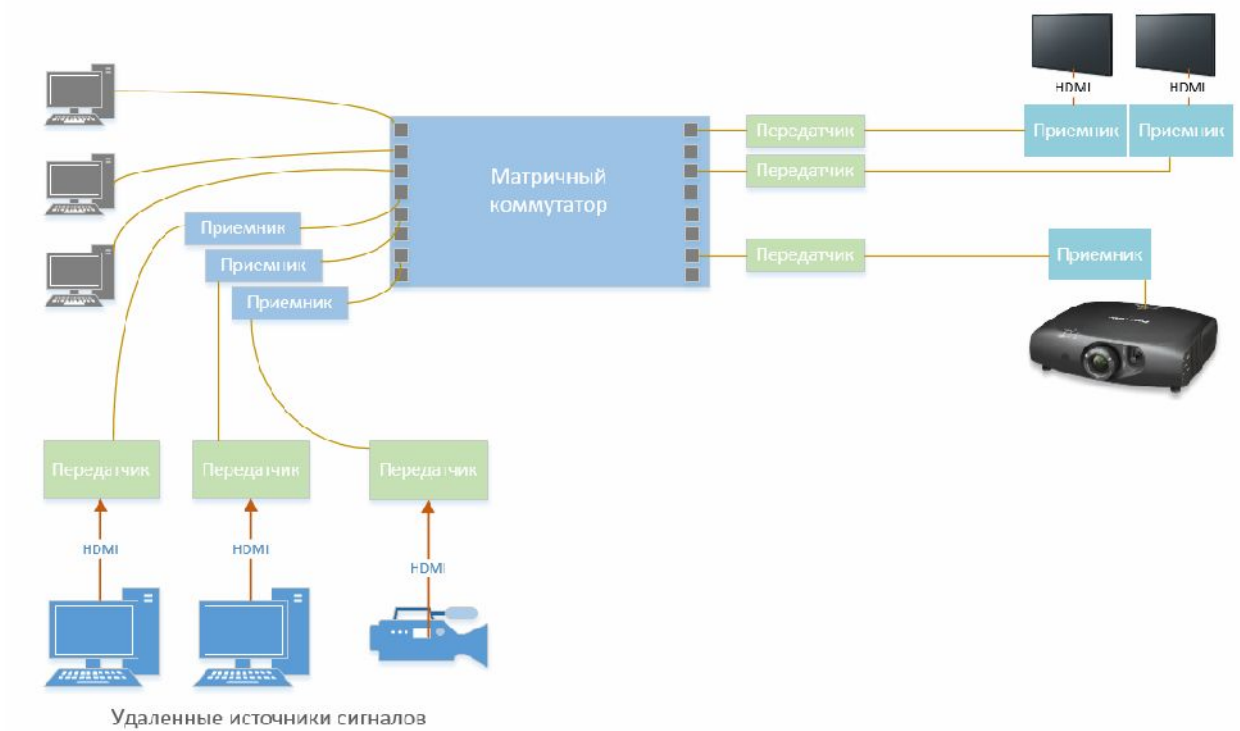




TNT

	TNT MMS-0401H	Extron MGP 464 DI	TV OneC2-6104A
	<b>3800\$</b>	<b>17100\$</b>	<b>7400\$.</b>
	VGA/YPbPr, HDMI(DVI-D)/DP, HD-SDI/CVBS	DVI-D, RGBHV	DVI-I
	HDMI	DVI-D	DVI-I

	HDMI/HD-15/BNC
	6 – TNT MMS-0401H, 16 – TNT MMS1601H
	VGA/YPbPr, HDMI(DVI-D)/DP, HD-SDI/CVBS
	HDMI
	1920*1200px / 60
	RS-232, D-Sub 9 pin
	15

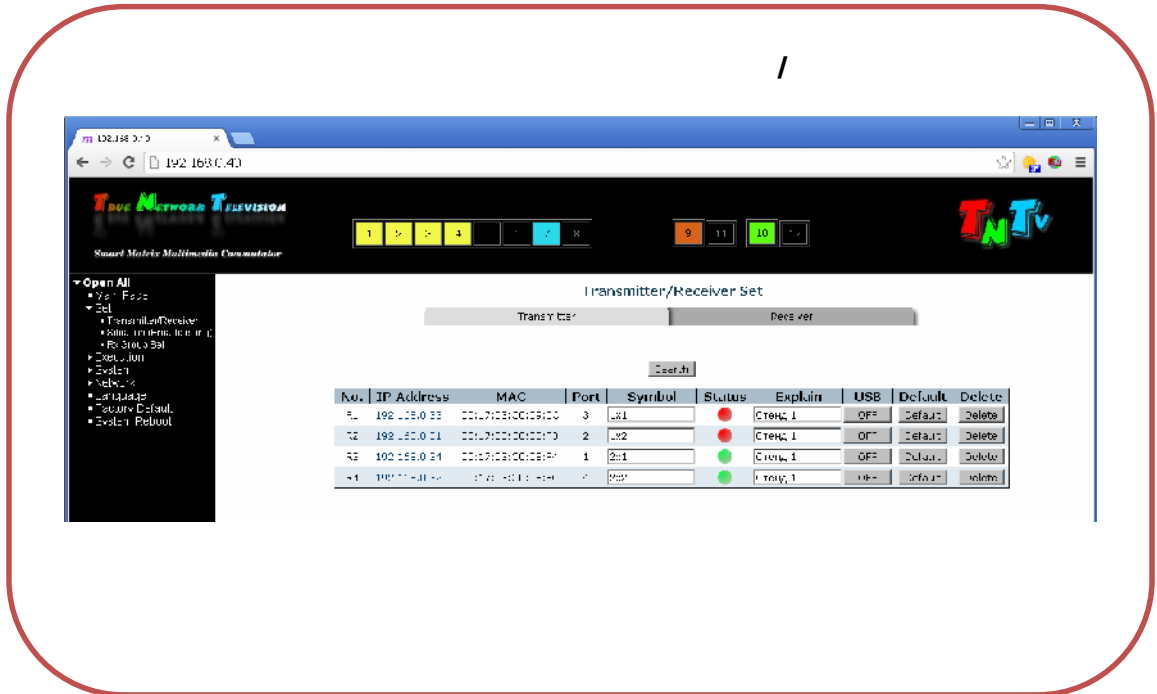


( , ),



MMS  
SMM

TNT,

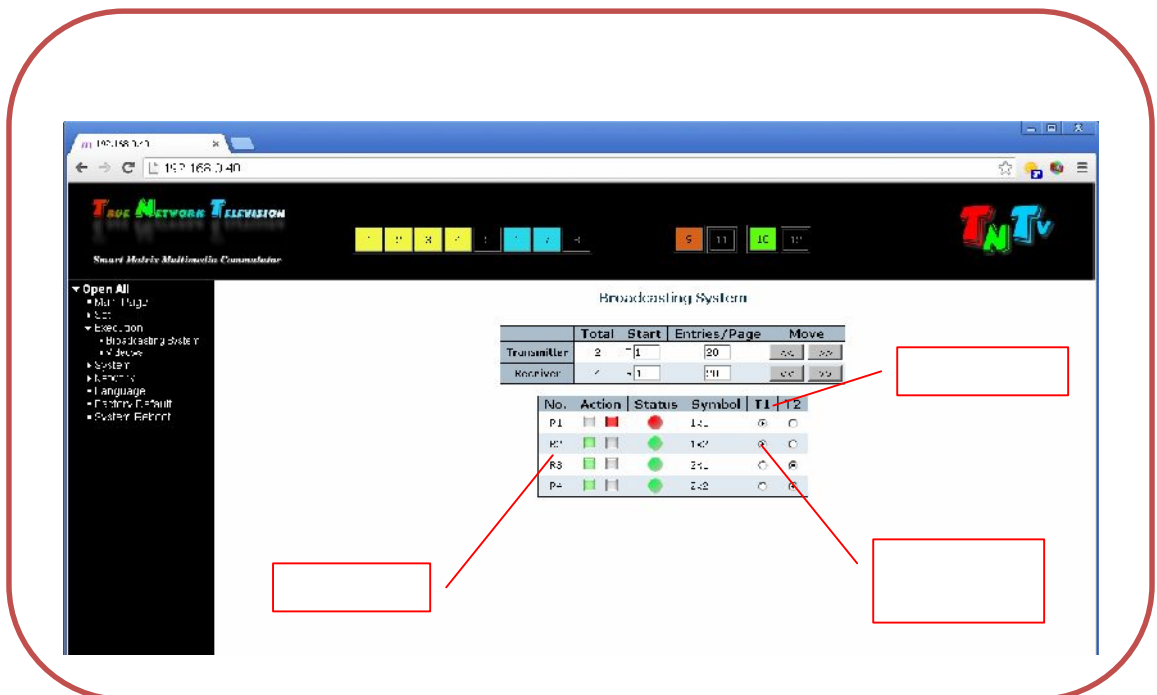


MMS

SMM

WEB-

SMM





1920\*1080px/60.

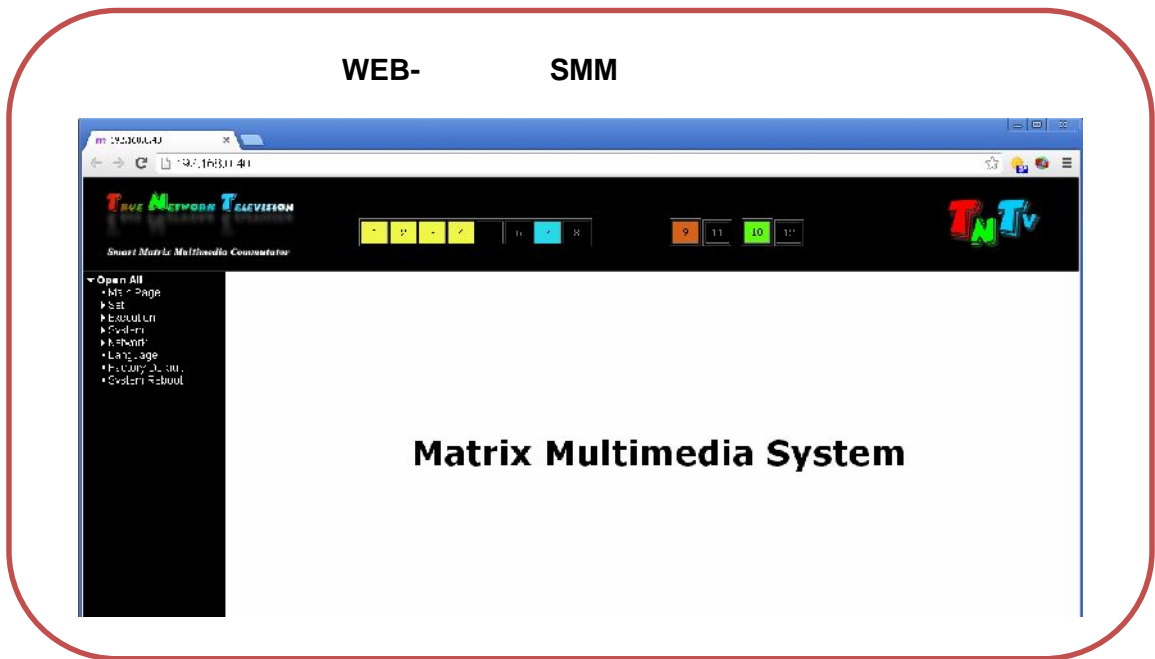
upgrade

4K/60,  
IT

– WEB-

SMM

WI-FI



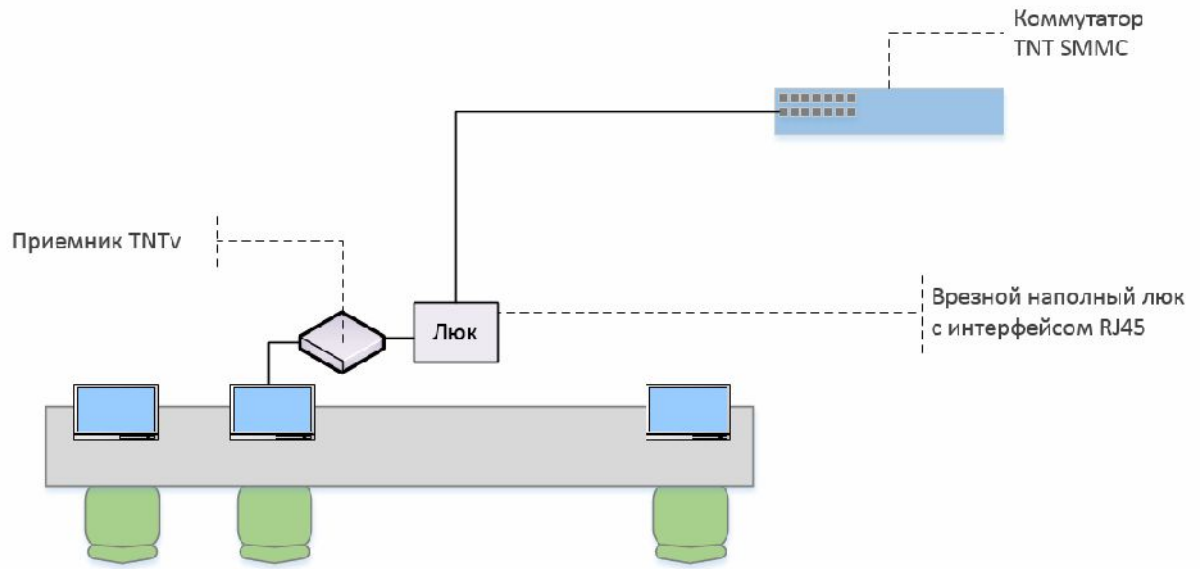
#1



#2



TNT.



ArthurHolm, ElementOne,

SMM

### #3

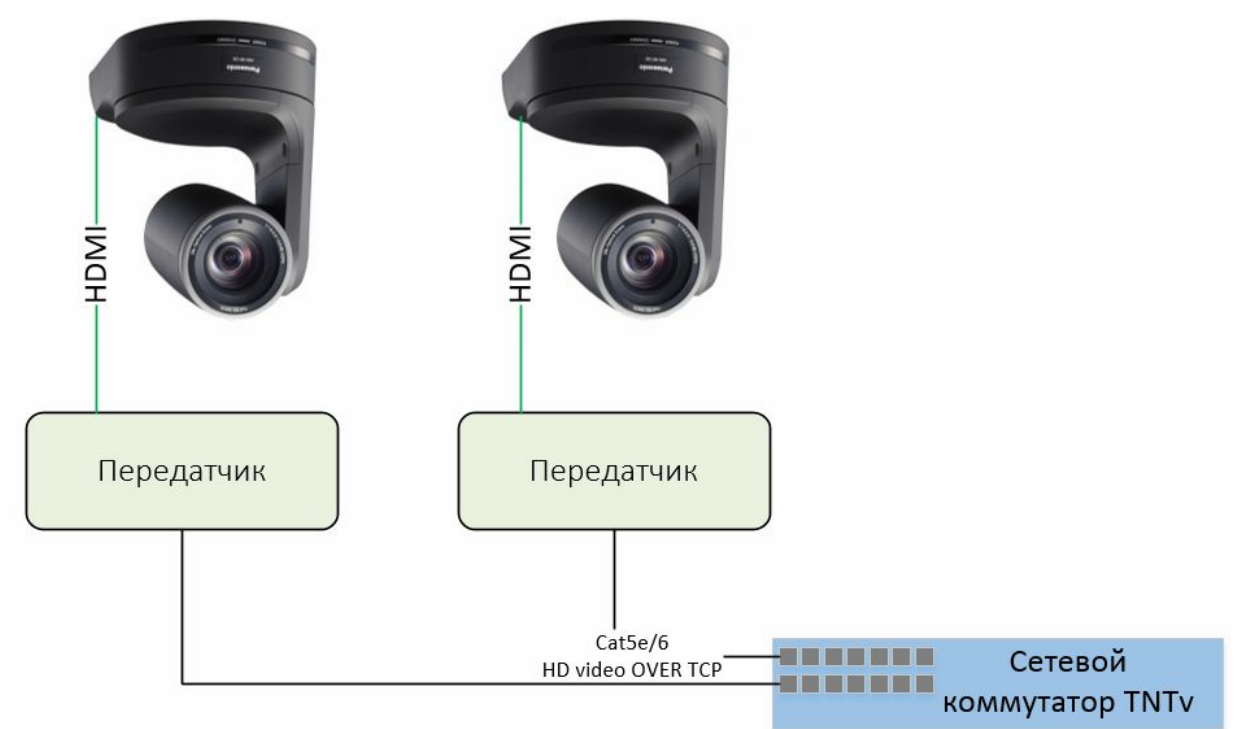


HD

: HD-SDI HDMI.  
Sony, Panasonic, Lumens, Vaddio.

MMS

TNT.



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1.

2.



DigitalSignage.

Digital Signage

- (TNT SX-325M)



- ( HyperMediaPlayer (HMP)

RSS

, PDF-

, TV-

"on-line"

", HTML-

, WEB-

• <b>Ticker</b> —	, RSS XML,
• <b>Image</b> —	JPG, BMP, PNG ( ), ICO, GIF
• <b>Video</b> —	MPEG 1/2/4, AVI, WMV, DivX, VOB, MOV VC-1, H.264, RM, RMVB, MKV.
• <b>Audio</b> —	MIDI, MPEG-1-Audio LayerII (MP2), MP3, WAV, WMA.
• <b>Flash</b> —	SWF
• <b>Web</b> —	HTML- , MS Word Excel, ( , , . .), - (URL) . .
• <b>PDF</b> —	PDF ( )
• <b>TV tuner</b> —	DVB-T
• <b>AVIN</b> —	( 576i, )
• <b>Stream</b> —	UDP, RSTP, MMS

3.

Meeting, Google YouTube, Google Hangouts. Adobe Connect, Microsoft Live  
 Epiphan, Extron, P2Go