



# Variable Message Signs

[smartcitydisplays.com](http://smartcitydisplays.com)

 **DYSTEN**



PRZEBUDOWA SKRZYŻOWANIA  
TOSZECKA - MYŚLIWSKA -  
PIONIERÓW



# VARIABLE MESSAGE SIGNS

**Technology:** full colour LED RGB

Everyone entering the city by car dreams about easy journey without traffic jams, car accidents, inhalation of exhaust fumes, or road repairs. Variable Message Signs are a solution that can increase traffic flow and reduce the impact of unwanted phenomena. That is why the number of VMS systems is growing rapidly. The Dysten company can manufacture any type of Variable Message Signs. Boards and signs with variable messages are compatible with European standards and guidelines for boards and variable message signs (EN-PN 12966). Our engineering solutions extend the VMS lifecycle up to 15 years thanks to specially selected components. The devices are energy efficient and can emit multiple signals depending on traffic conditions and the needs of road administration. Their excellent visibility on the road, regardless of the season or weather conditions, remote control via LAN or GSM with TCP/IP protocol, and our own management software are the advantages of Dysten VMS solutions.

Smart City 

VMS 

Streets  
Roads  
Motorways 

## SIGNS WITH VARIABLE CONTENT

made in the LED technology enable:



**INFORMING MOTORISTS**  
about current traffic conditions



**WARNING**  
about threats



**SUGGESTING DETOURS**  
in the event of traffic problems






**DIRECTING MOTORISTS TO THE RIGHT LANE**  
on the motorway



**INFORMING**  
about road conditions



**DISPLAYING ROAD SIGNS**  
- change of the speed limit etc.

TYPE	VMS 192x128	VMS 448x128	VMS 128x64
			
Technology	LED RGB	LED RGB	LED RGB
Resolution (pix)	192x128	448x128	128x64
Pixel pitch (mm)	16	16	12
Optical parameters	R 3 / B 6 / L 3	R 3 / B 6 / L 3 / C2	R 3 / B6 / L3 / C2 / P3 / T1+T2+T3
Min. active area (mm)	3072x2048	2048 x 7168	1536 x 768
LED lifetime	150000	150000	150000
IP protection	IP54	IP56	IP56
Temperature [°C]	-40° / +60°	-40° / +60°	-40° / +60°
Max power consumption (W)	4000	11500	3500
Vac supply	230V 50Hz	230V / 400V 50Hz	230V 50Hz
Brightness sensor	✓	✓	✓
EN PN 12966	✓	✓	✓
CE	✓	✓	✓
Failure detection	✓	✓	✓
Control system	TCP/IP: LAN Ethernet, GSM	TCP/IP: LAN Ethernet, GSM	TCP/IP: LAN Ethernet, GSM
Total size without construction [mm]	3400x2400	7288x2168	1660x880

ZAMKNIĘTY MOST  
NA ULICY  
WROCŁAWSKIEJ



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32

# Hala

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UWAGA!  
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przy skrecie

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Transport

0708-25 10 70



**ŻYCZYMY  
BEZPIECZNEJ  
PODRÓŻY**



ZAMKNIĘTY MOST  
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WROCŁAWSKIEJ



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European Union  
European Regional  
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