

Title Maker System



1. Introduction

CICADA is a title maker system which is specially designed for live match broadcasting.

Working with KAZO's match scoring system Ultra Score and sports statistics system can overlay game data on live video automatically.

It comes with different styles of subtitle templates for kinds of sports items.

Meanwhile, editing subtitle manually is available.

It's easy to install and use, which can achieve professional and beautiful subtitle effects.

2. Feature

- **Special for sports matches**

Designed for sports matches specially.

Offering designated and professional match subtitle template according to different sports items.

- **Grabbing match data automatically**

Working with KAZO's match scoring system Ultra Score and sports statistics system to grab match real-time data automatically. Editing subtitle manually is also supported.

- **Flexible subtitle templates**

Offering editable subtitle templates and templates customized service.

- **Multiple output ports**

HD-SDI, SD-SDI, HDMI and NDI outputs are supported.

- **Easy to use**

Only one laptop and a title maker box can achieve the match subtitle display.

No need to carry a bulky subtitle server on site any more.

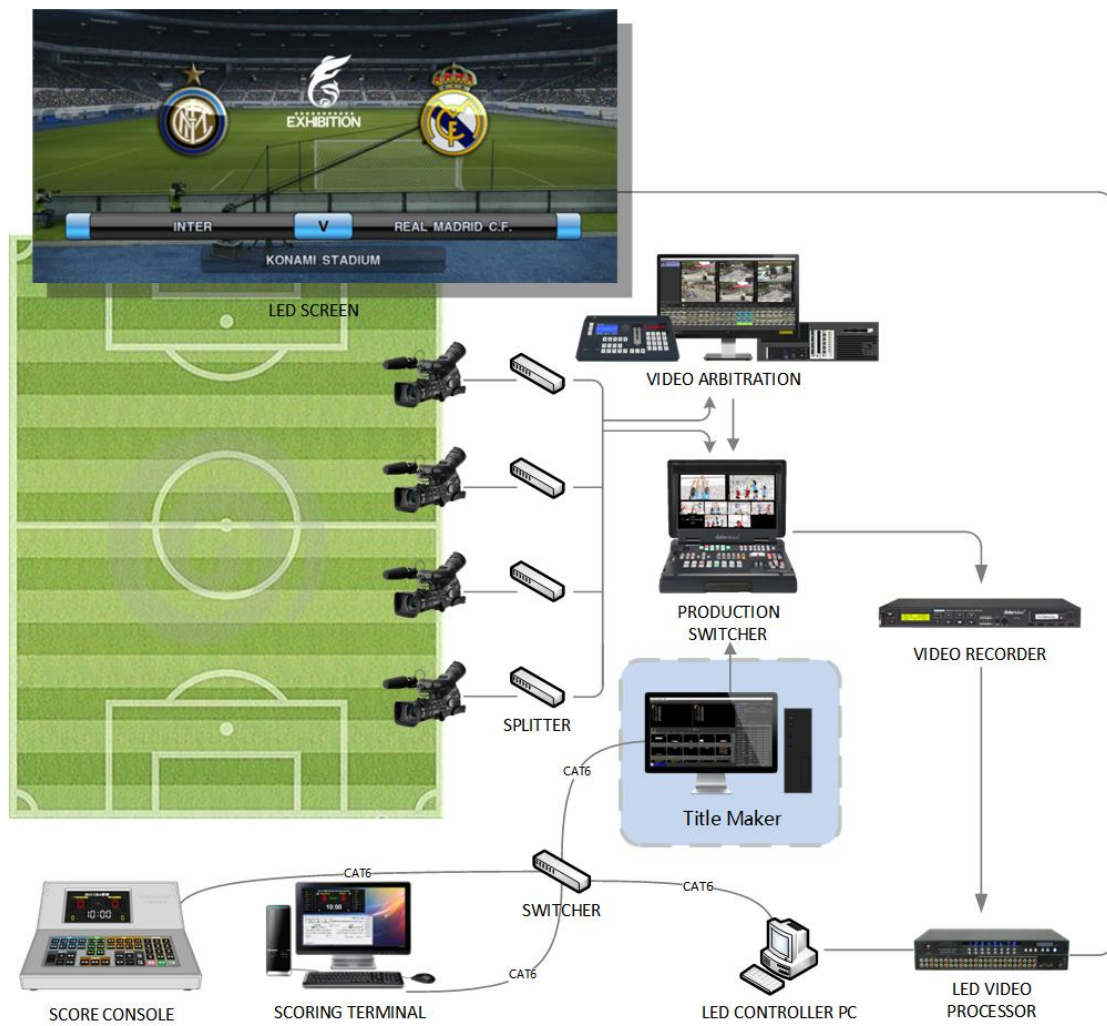
- **Low cost**

To save your cost on purchasing expensive board and server for subtitle making.

- **Opening communication protocol**

Network and serial communication interface protocol are both available which is easy to access to kinds of real-time signals.

3. System Diagram



4. System Configuration

Production	Type	Qt.
Match Scoring System		
Ultra Score Software	Standard Network Edition	1
Score Console	KS-GC16	1
Laptop	/	1
Title Maker System		
Title Maker Server	CICADA_Server	1
Video Cable	CABLE-SDI-2	3
LCD Monitor	/	1

5. Working Mode

- HDMI*1 output

(Only use Title Maker Software)



CICADA



HDMI



Video Switcher

- NDI*1 output

(Only use Title Maker Software)



CICADA



NDI



Live Production Software

- SDI*2 output

(Title Maker Software + S-Link Box)



CICADA

HDMI



SDI



Video Switcher

- SDI*2 output

(Title Maker Server)



CICADA_Server






SDI



Video Switcher

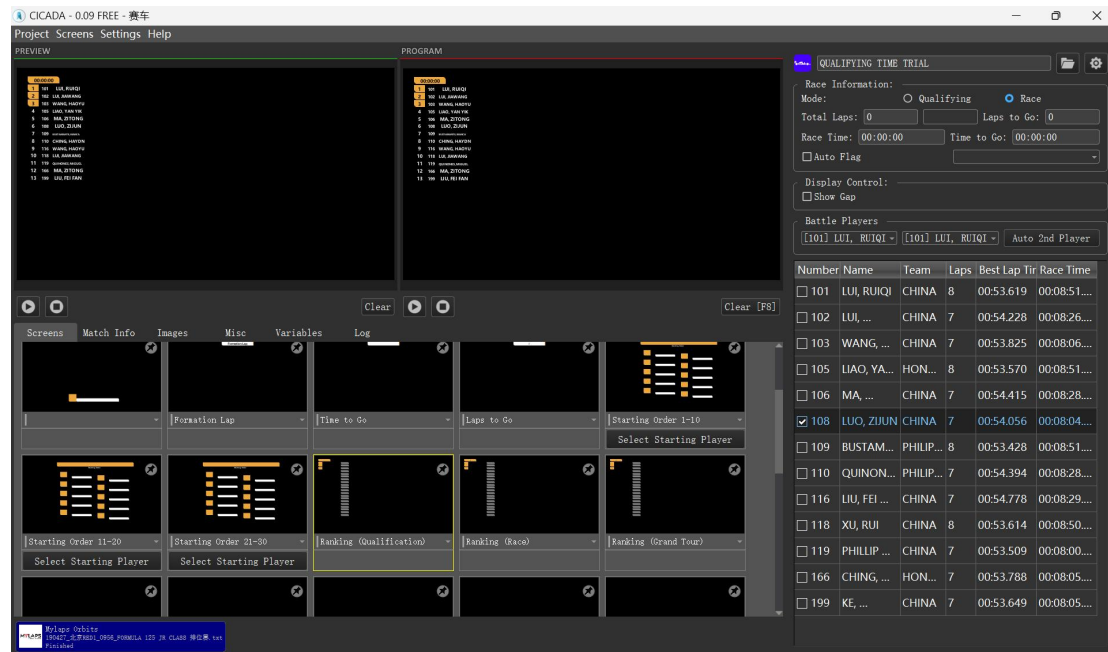
6. Functions Comparison

Function	Title Maker Software	Title Maker Software + S-Link Box	Title Maker Server
			
Operating system	Win 7 / Win 8 / Win 10	Win 7 / Win 8 / Win 10	Win 10
Manual input	✓	✓	✓
Ultra Score input	✓	✓	✓
Open 3 rd -party communication protocol	✓	✓	✓
NDI output	✓	✓	✓
HDMI output	✓	✓	✓
SDI output (Key Fill / source)	✗	✓	✓
DSK	✗	✓	✓
Overlay	✗	✓	✓
Genlock	✗	✗	✓

7. Title Maker Software

Item	Details
Title Maker Software	<p>Type: CICADA Output: HDMI/NDI Resolution: 1080P Functions:</p> <ul style="list-style-type: none"> ● To create match subtitle including, Match name, logo and special graphics; Referee, team and player's information; Timing, scoring, players' foul, time out and substitution of players. ● To grab match data from Ultra Score software automatically and to display the match time, score and player's information in real-time. ● To obtain and display sports statistics automatically when working with sports statistics software. ● To edit and modify sports data manually. Subtitle is allowed to be edited on the background when broadcasting. ● To display several subtitles at the same time. ● To preview effects in real-time.

Software Interface



Display effects.

The image shows a match graphic for a LaLiga game between FC Barcelona and Real Madrid. The graphic is overlaid on a background of a stadium filled with spectators. At the top, the text 'LaLiga' is displayed in a large, white font. Below this, the FC Barcelona crest is on the left and the Real Madrid crest is on the right. The player lineups are presented in two columns, one for each team, with player names and their jersey numbers. The FC Barcelona lineup includes Messi (10), Brayo (12), Neymar Jr. (11), Jordi Alba (18), Pique (3), Iniesta (8), I. Rakitic (4), Suarez (9), Mascherano (14), Sergio (5), and Dani Alves (6). The Real Madrid lineup includes Curyajal (15), Bale (11), Casheiro (14), Benzema (9), Kroos (8), Marcel (12), C. Ronaldo (7), Pepe (3), Navas (1), S. Ramos (4), and Modric (19).

FC B		REAL MADRID	
10	MESSI	CARYAJAL	15
12	BRAYO	BALE	11
11	NEYMAR JR.	CASEHIRO	14
18	JORDIALBA	BENZEMA	9
3	PIOUE	KROOS	8
8	INIESTA(C)	MARCELD	12
4	I.RAKITIC	C.RONALDO	7
9	SUAREZ	PEPE	3
14	MASCHERANO	NAVAS	1
5	SEROIO	S.RAMOS	4
6	DANI ALYES	MODRIC	19

8. Title Maker Box

Item	Details
Title Maker Box	<p>Type: S-Link Output: SDI*2 Resolution: 1920×1080i/50Hz; 1920×1080i/60Hz Function:</p> <ul style="list-style-type: none">● To create a subtitle in both source key and fill key signal.● Used with title maker software Cicada.

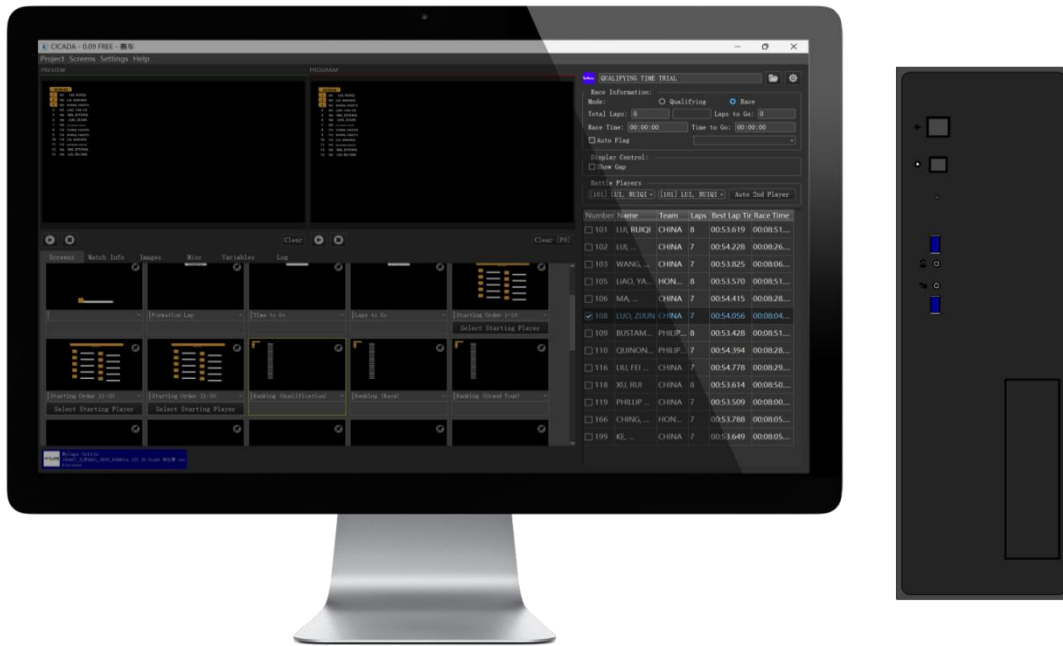


Parameter List

Title Maker Box	S-Link
Input	HDMI*1 HD-SDI*1
Output	HD-SDI*2 (Key source*1, Key fill*1)
Image format	JPG, PNG, BMP
Signal format	1920×1080i/50Hz 1920×1080i/60Hz 1280×720p/50Hz 1280×720p/60Hz
Subtitle mode	DSK or Overlay
Power Supplier	DC12V
Controller System	Used with Title Maker software CICADA
Size	112*85*45mm
Material quality	Aluminum alloy
Weight	0.5kg

9. Title Maker Server

Item	Details
Title Maker Server (Monitor not included)	Type: CICADA_Server Operating Systems: Windows 10 Output: SDI*3 Resolution: 1920×1080p/60Hz



Device Specification

Type	CICADA_Server
Processor	Intel core i7
Ram	4GB
Operating System	Windows 10
Output	SDI*3
Size	9.26x29×29.2(mm)
Net Weight	5.5 KG
Color	Black
Environmental	
Operating Temp	-5°C~45°C
Storage Temp	-40°C~80°C
Relative Humidity	5%~95%, non-condensing
Input Voltage	AC 100V~240V